



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 16 1997

RCRA PERMITTING & COMPLIANCE BRANCH

**ENVIRONMENTAL SERVICES DIVISION REGION 7** 25 FUNSTON ROAD KANSAS CITY, KANSAS 66115

JUN 1 3 1997

### **MEMORANDUM**

Transmittal of Inspection Report - RCRA SUBJECT:

FROM:

Dedriel Newsome

Environmental Engineer, ARCM/ENSV

TO:

JoAnn Heiman

Chief, RPCB/ARTD

THRU:

Mary Tietjen-Mindrup My La Moran Chief, Air & RCRA Compliance Branch, ENSV

This memorandum transmits the following compliance monitoring inspection report performed by the Air & RCRA Compliance Branch, Environmental Services Division. Level B multi-media screening inspection.

Potential Areas

Facility of Non-Compliance EPA ID Number Activity No.

Monsanto Co. St. Louis, MO MOD004954111

ANF88

Incompatibles

Storage Containment

Attachments





### REPORT OF RCRA COMPLIANCE INSPECTION

AΤ

MONSANTO COMPANY
J F Queeny Plant
1700 South Second Street
Saint Louis, Missouri 63104

EPA ID Number: MOD004954111

ON

May 20, 1997

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VII
Environmental Services Division

### INTRODUCTION

At the request of the Air, RCRA, and Toxics Division (ARTD), a RCRA compliance evaluation inspection was performed at Monsanto Company located in St. Louis, MO on May 20, 1997. The inspection was conducted under the Resource Conservation and Recovery Act (RCRA), as amended. This report and attachments present the results of the RCRA inspection. This inspection was a Level B Multi-media screening inspection. The multi-media screening checklist is included as Attachment 1.

### **PARTICIPANTS**

Monsanto Company:

Robert Cheever, JFQ and Solid Waste Superintendent Rich Koenig, Senior Environmental Technician

U.S. Environmental Protection Agency (EPA):
Dedriel L. Newsome, Environmental Engineer

### INSPECTION PROCEDURES

Upon arrival at the facility, I met Mr. Cheever and Mr. Koenig. I explained the purpose and procedures of the inspection and presented Mr. Cheever my EPA credentials. Mr. Cheever was provided with the Confidentiality Notice which he signed as

acknowledgment of receipt (Attachment 2). Mr. Cheever was provided with a copy of U.S. Federal Code 1001 concerning false statements. During the inspection, discussions consisted of facility operations, wastes generated and waste management practices. I conducted a visual inspection of the facility and was accompanied by Mr. Koenig and Mr. Cheever. At the conclusion of the inspection, the findings and recommendations were summarized with Mr. Cheever and Mr. Koening. Mr. Cheever was provided with a Request for Confidential Treatment form, a Document of Receipt and a Notice of Violation (NOV) which he signed as acknowledgment of receipt, see Attachments 3 through 5.

### FACILITY DESCRIPTION

Monsanto is an industrial chemical manufacturer. They manufacture Duralink® (chemical added to tires to increase the life of the rubber), L-aspartic acid (chemical used to produce NutraSweet®), and maleic anhydride briquettes. Monsanto repackages hydraulic fluid into 55, five and one gallon size and quart size containers in their Central Drumming unit. They also conduct research at a small research and development (R&D) pilot plant. There is a utility unit on-site which includes the wastewater pretreatment (WWPT) system. Process diagrams or descriptions of these production units are included in Attachment 6. Monsanto also has a laboratory that is used for quality control and a maintenance shop that is used for equipment, building and forklift maintenance.

Mr. Cheever stated that Monsanto will be separating their life sciences companies from their chemical companies. This will become effective sometime on or before 9/1/97. A pilot on this separation will begin on 7/1/97. Due to this separation, the company's name will be changing, although to what, is currently not known. Also, Monsanto will be changing their contingency plan. Currently, they are operating under the contingency plan that is in their Part B Application.

I visually inspected the hazardous waste container storage pad and the satellite accumulation containers in the following areas: canning in Central Drumming, Tank Unloading area in canning, PA Bldg. (Duralink®), Warehouse, Maintenance Shop, and Laboratory.

Monsanto has 113 employees and operates three shifts, seven days a week. A layout of the facility is shown in Attachment 7. Mr. Cheever drew a thick line around their property on the layout

to show what area and buildings they own. Monsanto is primarily operating in the central part of their property. Since the previous inspection conducted on 12/1/93 by MDNR, Monsanto sold their lab building to AMJ Enterprises and moved the lab into another building on-site. Therefore, they no longer accumulate their laboratory hazardous spent solvent in a tank prior to transferring it to drums. They also ceased manufacturing para-Nitrophenetole about two years ago.

### Wastes

### 1. Types of Hazardous Waste and Generation Rates

Many different types of waste streams are generated from each production unit and throughout the plant. The specific ones that were generated during 1996 from each production unit and plant wide are shown in Attachment 8. Also, the type of waste that was generated and manifested off-site during the last quarter is shown in Attachment 9. The specific waste that was in storage at the time of the inspection is shown in Attachment 10. More specific comments on some of the wastes that are generated onsite follows:

- a. R&D Pilot Plant Monsanto's pilot plant takes bench scale tests and tries them on a larger scale. This plant is operated at various times during the year. It generates many different types of hazardous waste depending on the type of R&D. Mr. Cheever stated that primarily any waste generated from this plant is sent off-site to Rollins for incineration. He also stated that acetone is used as the universal cleaning solvent in this plant.
- b. Production Units There are several general waste streams that are generated at all the production units. Dry floor sweepings are generated from sweeping inside the production unit's buildings. They are collected in drums and disposed of through Rollins. Areas on the outside in the production units are washed down with water which drains to the WWPT system. Personal protective gear may also be generated in the various production units and is collected in drums for disposal through Rollins.
- c. Utility All process wastewaters and storm waters are neutralized on-site in the WWPT system prior to being discharged to the Metropolitan POTW, for which Monsanto has a permit. Mr.

Cheever stated that there are no sludges generated as wastewaters are only neutralized.

- d. Laboratory The laboratory spent solvent is accumulated in small containers and then transferred to a 55-gallon drum at the lab. The full drum is then transferred to the hazardous waste container storage pad. Samples are returned to the process if possible. If the sample is a finished good, it remains in the lab and is lab packed for off-site disposal when the lab is purged at least once a year, according to Mr. Cheever. The laboratory wastewater drains to the WWPT system.
- e. Drum Washing Three to four times a year when approximately 100 empty drums are accumulated, Monsanto contracts with TriRinse, St. Louis, MO, to rinse these drums. TriRinse rinses the empty drums with a caustic rinse water solution in a drum cleaning unit they bring on-site. The rinsate is collected on-site and disposed of by Rollins and the clean drums are then crushed.

### 2. On-Site Management

According to Mr. Cheever and Mr. Koenig, hazardous waste is accumulated in containers. After the containers are full, they are transferred to the hazardous waste storage pad until manifested off-site. While reviewing the manifests, I noted that there were some bulk shipments of hazardous waste manifested off-site, such as the 33,300 pounds of sulfuric acid recently sent off-site. I asked Mr. Koenig where the bulk wastes are stored prior to shipment. He stated that in those cases, the waste is collected from the generation point without storage. He stated that they do not accumulate hazardous waste in tanks prior to off-site shipment.

### 3. Disposal

Monsanto has a corporate contract with Rollins to handle all the Monsanto facilities waste, primarily for incineration, see Attachment 8. Some waste may be sent to a hazardous waste landfill or a recycler depending on the type of waste (solid versus liquid, etc.). Therefore, most all the Queeny Plant hazardous waste and most non-hazardous waste (including aerosol cans and waste oil) are handled by Rollins for incineration. Some sulfuric acid was manifested to DuPont Company, Deepwater, NJ, for treatment and then discharged under a NPDES permit. The lead/acid and nickel cadmium batteries are sent to Allworth,

Inc., Mt. Pleasent, TN, for recycling. Other non-hazardous wastes that are not sent to Rollins for incineration include the wastewaters (discussed below), sodium thiosulfate dust generated in the Duralink® production unit, fluorescent light bulbs and general trash. The sodium thiosulfate dust, see Attachment 6-1, is recycled on-site or disposed with the general trash. The fluorescent light bulbs are manifested to Recyclights, Bloomington, MN, for recycling.

#### FINDINGS AND OBSERVATIONS

### 1. RCRA Status

Monsanto notified as a large quantity generator (LQG) of many different types of hazardous wastes. Based on Monsanto's generation rates, they were inspected as a LQG, see Attachment 10.

Monsanto had a RCRA permit for container and tank storage and incineration. They no longer operate these permitted units and they have been certified as closed. A part of that permit was a corrective active permit with EPA which is still active. None of these corrective action items were reviewed during this inspection as EPA conducted a corrective action inspection during the previous week.

### 2. Incompatibles

Monsanto has one waste container storage pad that is used as a less than 90 day storage area. They no longer store waste over 90 days. This pad has only one containment area and no dividing berms. All of the containerized hazardous waste generated onsite is stored on this pad until manifested off-site. Monsanto generates many different types of hazardous waste as discussed above. Some of these waste would be potentially incompatible, such as the acids and bases and the corrosives and halogenated solvents according to 40 CFR Part 264 Appendix V. According to the inventory logs (see Attachment 11-1 through 11-3) reviewed at the time of the inspection, incompatibles were previously stored on the storage pad as follows:

WASTE	QUANTITY (DRUMS)	DATE PUT IN STORAGE	DATE REMOVED FROM STORAGE
Sodium Hydroxide, D002	6	2 - 4/18/96 4 - 4/24/97	5/8/96
Potassium Hydroxide, D002	6	4/22/96	5/8/96
Acetic Acid, D002	26	5/6/96	5/8/96

Based on this information, it appears that these acid and base incompatibles were stored for only two days.

The container inspection log that is used by Mr. Koenig shows that incompatibles are to be checked, see Attachment 12. However, Mr. Koenig, who conducts the inspections, stated that incompatible over packs would only be used if there was something "really bad" and that it was a judgement call. He stated that if it did not appear that the waste would eat through the drum, then the over packs were not used. According to the 1996 and 1997 inspection logs, there were no incompatible over packs that were used. I asked Mr. Koenig if this was actually the case and he stated that they did not use any over packs during that time. I asked Mr. Koenig if the drums on manifest #96045 (Attachment 11-3) had a pH of below 2 and above 12.5. He stated that they did, but they were not pure chemicals as they were rinse waters and would not eat through the plastic drums. He stated that this is why they were not separated.

After the inspection, I reviewed the additional inventory forms that were provided to me and some additional incompatibles were noted as follows:

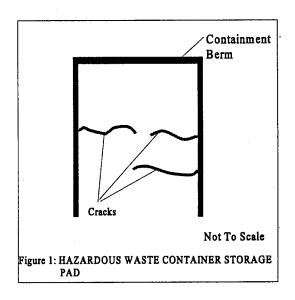
WASTE	QUANTITY (DRUMS)	DATE PUT IN STORAGE	DATE REMOVED FROM STORAGE
TEA/HCC Solution, D001/D002 (triethylamine,hydrochloric acid)	2	2/11/97	2/20/97
TBAA Mother Liquor, D001/D002 (cyclohexane,hydrochloric acid)	1	2/11/97	2/20/97
Potassium Hydroxide Wash, D002	12	2/11/97	7 - 2/20/97 5 - 3/13/97
Maleic Anhydride, U147	1 2 1 2	1/21/97 1/28/97 2/3/97 2/11/97	2/20/97
NC-45 Mother Liquor, D002 (potassium hydroxide)	1	2/11/97	3/13/97
Caustic Rinse Water, D002 (sodium hydroxide)	6	3/6/97	3/13/97

The above incompatible relationships were identified using 40 CFR 264 Appendix V and the TOMES Chemical Database, see attachment 11-4 through 11-8. Storing incompatibles is in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c).

There were two containment pallets stored next to the container storage pad. I asked Mr. Koenig when these two pallets were used. He stated that they were used when extra storage area was needed. He stated that they were primarily used when they had the tank at the old lab building (which has been sold to AMJ Enterprises).

### 3. Containment Cracks

The less than 90 day storage pad is used to store and was storing at the time of the inspection over 1000kg of liquid hazardous waste, see Attachment 10 and photo 1. observed cracks (mainly three) noted in the containment pad as shown in Figure 1 and photos 2 through 5. According to 10 CSR 25-5.262(2)(C)2.B.(III)(a), the containment area should be free of I asked Mr. Koenig if they cracks. have ever done anything to these cracks and he stated that they have He stated that they do check



weekly for cracks when they do their weekly container inspections. No notations of cracks were made on the 1996 and 1997 inspections logs. I asked Mr. Koenig why there was not anything done to these cracks and he stated that he did not know.

### 4. Sump

At the time of the inspection, the containment sump was about half full with water. According to Mr. Cheever, it rained Sunday night. I asked when they normally remove water from the containment sump. Mr. Cheever and Mr. Koenig stated that they usually do not remove the water until the sumps fills up. At other times, the water stays in the sump and evaporates. I informed them that according to 10CSR 25-5.262(2)(C)2.B.(III)(e), the accumulated liquids are to be removed to prevent overflow of the containment. Mr. Cheever and Mr. Koenig stated that they would start removing the water. This was inadvertently not listed on the NOV, but was discussed during the inspection.

#### 5. Miscellaneous Items Discussed

### a. Spent Methanol Recovery

There is an inline still in the Duralink® production unit that is used to regenerate spent methanol (contaminated with water). There are two tanks (1000 and 3000 gallons) prior to the still that are used to store the spent methanol (F003/D001) prior to reclaiming. The recovered methanol is reused in the process, see Attachment 6-1. The Duralink® production unit is only operated seven months out of a year and is shut down the remaining part of the year. When the plant is shut down, the tanks are emptied according to Mr. Cheever and Mr. Koenig. According to 40 CFR 261.4(a)(8), the spent methanol would be exempted since only tank storage is involved, reclamation does not involve controlled flame combustion, the waste never remains in the tank over 12 months, the reclaimed material is not used to produce a fuel or used in products that are applied to the land and the reclaimed material is returned to the original process. Therefore, it appears that the spent methanol storage tanks would not be RCRA regulated.

### b. Railcar Storage

Some of the maleic fines (U147) from the maleic briquette process may not be sent directly to the re-melt tank for re-use. As shown by the process diagram in Attachment 6-3, some may be accumulated over a year in a railcar prior to being reclaimed in the process. However, commercial chemical products that are accumulated speculatively are not solid waste.

### 7. Other Generator Requirements

The other generator requirements were reviewed and no apparent violations were noted as shown in the checklist included as Attachment 13. In regard to Subpart CC, Monsanto uses containers over 26 gallons for volatile organics, however they are all DOT approved for packaging and transporting hazardous waste. This is a Missouri state requirement for storage containers of hazardous waste.

Deshie Newsoma

Dedriel L. Newsome

Environmental Engineer

Date: 6/8/97

Activity Number: ANF88

### Attachments

- 1. Multi-Media Inspection Screening Checklist (2 pages)
- 2. Confidentiality Notice (2 pages)
- 3. Request for Confidential Treatment
- 4. Document of Receipt
- 5. NOV
- 6. Process Diagrams and Descriptions (7 pages)
- 7. Layout
- 8. 1996 Generated Waste (9 pages)
- 9. 1997 First Quarterly Report (19 pages)
- 10. Inventory (8 pages)
- 11. Incompatible Documentation (8 pages)
- 12. Inspection Log
- 13. Checklists (9 pages)

Photo Log

Photographs (2 page/5 photos)

### REGION YII MULTIMEDIA SCREENING CHECKLIST

Facility	r. Monsanto J.F	Chizenu	Facil	ity Ownershi	p: Monsar	ito		Inspector: D	edriel'N	ewsom
Addres	s: 1700 S. 27	ia St	Faci	lity Contact:	Bob Che	ever		Primary Media		
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	( ) electroplating:	chrome ( ) electroles	ss plati	ing ( ) 01	ther					_
6.	Provide a general descrip							. ls	Waste Hazardo	ous?
	Waste Stream Name					Final D	isposition of Was	te No	Yes Don'	t know
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7.	Description of surrounding	ng area (access to childr	ren, pu	blic, econom	iic condition):     (	→ Indust	rial (1) Busine	ss ( ) Residen	tial ( ) Rura	ıl
	Potential environment	Control of the Contro							\	DC
NP	DES - National Pollution						- Underground			
I.	Where do the facility's w		None	Treatment	Municipal Sewer	• .	Injection Well		Storm Sewer	Land
	(* )	rocess Wastewaters	( )	( )	(M)	( )	( )	( )	( )	( )
	V- /	on-Contact Wastewaters		( )	(V)	( )	( )	( )	. ()	()
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3.	Where does the facility	get its: Process war		( )(City)/Ru	` ,		ell ( ) Pond	( )	)Other	
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	ls public water source	protected by backflow p	prevent	tion device!	( ) No ( ) 10f	25 ()	DON E KNOW	المبروف	on't know	
4.	What is the source of dr	inking water for the are	a arou	nd the facilit	y! ( ) Kural/M	unicipal si	ource ( ) Priv	ate well ( ) D	on concel dir	rhing
5.	Are there any surface w	ater bodies (ponds, strea	ams, la	ikes, rivers) (	or temporarity wet	areas ma	e nake deen dizin	nen finnige ugo	er makazuit ann	8*
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<u>CA</u>	A - LLEAN AIK ACI
1. 2.	Are there any <u>non</u> -steam/water vapor, visible smoke or dust emissions? ( ) No ( ) Yes Source: Time:  Are there any fugitive emissions? ( ) No ( ) Yes Leaving property? ( ) No ( ) Yes Source: Time:
3000	In the past 2-3 years, has the facility modified or installed any new air emission points? ( ) No ( ) Tes
3.	Describe: frocess Vents Storage Vents
4	Are the facility's air conditioning, refrigeration, or motor vehicle air conditioning systems: ( ) Self-serviced? ( ) Contract Serviced? ( ) Both?
4.	Do the units contain: (>50lbs. And/or (>50 lbs. of refrigerant? Service Company Name: Willen Refrigera +ion
RC	RA - RESOURCE CONSERVATION AND RECOVERY ACT & UST'S - UNDERGROUND STORAGE TANKS
ı.	Does the facility conduct or have any of the following on-site waste management activities? ( ) Treatment ( ) Burning ( ) Landfills
	( ) Surface impoundments ( ) Storage ( ) Recycling - Are recyclables stored more than one year? ( ) No ( ) Yes
2.	Is a wastewater sludge generated? (YNo () Yes Is it hazardous? () No () Yes () Don't know
	Where does the sludge go? ( ) Hazardous waste disposal site ( ) Off-site landfill ( ) On-site landfill ( ) Land applied
3. 4.	Does the facility generate used oil? ( ) No ( ) Yes Are the containers labeled "Used Oil"? ( ) No ( ) Yes ( ) Yes Did you observe any hazardous waste containers or tanks which were leaking, open, or not labeled? ( ) Yes
	Describe:
5.	Are there any signs of past spills or releases (dead/stressed vegetation, stains, discoloration)? (No () Yes  Describe: Going thro corrective action
6.	Does the facility have any underground storage tanks that contain petroleum products? ( No ( ) Yes
7.	Do any of the chemical, industrial, or hazardous waste handling procedures concern you? () No () Yes  Describe: (See RCRIF naport) incompatibles cracked haz west conformant
T	ITLE III - EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT & SECTION 5 TSCA - TOXIC SUBSTANCES CONTROL ACT
1	Have Toxic Chemical Release Forms (Form R's) been submitted under Section 313 of EPCRA? ( ) No ( Yes [must have > 10 employees]
2.	Have hazardous chemical inventory forms (Tier II forms) ever been submitted under Section 312 to local Emergency Planning Committees or fire
L.	department? (VYes ( ) No If no, describe gross storage volumes, and type of chemicals stored:
3.	Does the facility import or manufacture a chemical substance? ( ) No (Yes
	Describe type and intended use:
<u>P</u>	CB's - POLYCHLORINATED BIPHENYLS & SPCC - SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
I.	Does facility have any equipment in service that contains PCB's at >500 ppm, that is leaking or not labeled? ( No ( ) Yes ( ) Don't Know
2.	A CONTRACT OF A
3.	
	an aggregate volume > 1320 gallons, that are or show evidence of recent leaks into waters of the state? ( ) No ( Yes
	Describe: Have a tounk farm, oil storage, gasoline (volume vakence)
F	IFRA - FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT
1	Does the facility manufacture, repackage, or apply pesticides? ( No - STOP HERE ( ) Yes
	Are rinsates handled in an environmentally sound manner? ( ) No ( ) Yes Describe:
2	Do workers use personal protective equipment (gloves, long sleeve shirts, coveralls) when mixing/loading? ( ) No ( ) Yes
1	Describe: Maintain their registration but don't aurently do, Kap

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY CONFIDENTIALITY NOTICE

Facility Name	
Monsanto J.F. Queeny Plant	
Facility Address 1700 South 2nd St.	
ISt. Louis, MO	
Inspector (print) Title	
Dedriel Newsome Env. Engineer	
U.S.EPA, Region VII, ENSV Division, 25 Funston Road, Kansas City, KS 66115	

It is possible that the United States Environmental Protection Agency (EPA) will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the applicable statute under which the information is obtained. EPA is required to make inspection data available in response to FOIA requests, unless the Agency determines that the data contains information entitled to confidential treatment.

Any or all of the information collected by EPA during the inspection may be claimed confidential, if it relates to trade secrets or commercial or financial matters that you consider to be confidential. If you make claims of confidentiality, EPA will disclose the information only to the extent, and by the means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential information.

### To claim information confidential, you must certify that each claimed item meets $\underline{all}$ of the following criteria (40 CFR 2.208):

- 1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
- 2. The information is not, and has not been, reasonably obtained without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on showing special need in a judicial or quasi-judicial proceeding).
- 3. The information is not publicly available elsewhere.
- 4. Disclosure of the information would cause substantial harm to your company's competitive position.

In addition, within fifteen (15) calendar days of the claim, you must provide written comments in support of the claim, based on factors listed in 40 CFR 2.204(e)(4). This statement should be mailed by registered, return-receipt requested mail to the Inspector at the address listed above. Failure to submit comments by this deadline will be deemed a waiver of the claim pursuant to 40 CFR 2.205(d)(1).

At the completion of the inspection, you will be given a receipt for all materials collected. At that time you may make claims that some or all of the information is confidential and meets the criteria listed above.

### U.S.EPA INSPECTION CONFIDENTIALITY NOTICE (cont.)

Facility Name
Monsanto, J.F. Queeny Plant
Facility Address
St. Louis, MD
If you are <u>not</u> authorized by your company and there is no one on the premises of the facility who is authorized to make confidentiality claims, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials, to the authorized representative designated below.
Authorized Representative
Title
Address
If the authorized representative listed above requests confidential treatment, they must return a statement specifying any information which should receive confidential treatment and written comments in support of the claim based on factors listed in 40 CFR 2.204(e)(4).
This statement from the authorized representative should be mailed by registered, return-receipt requested mail within fifteen (15) calendar days of receipt of the Confidentiality Notice to the Inspector at the address listed on page 1.
Failure to submit confidentiality claims and comments within the fifteen (15) day period will be deemed a waiver of the claim pursuant to 40 CFR $2.205(d)(1)$ .
To be completed by the facility official receiving this Notice:
I have received and read this Notice.
Facility Representative Provided Notice (print) Title
ROMERT L. CHEINER JEGAND SOLIO WASTE JUPT
ROBERT L. CHEENER JFQ and SOLIO WASTES JUPT  Signature/Date  Whenh I Cheener 5/20/97

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name
Man santo - Queeny Mant
St Louis MO
Documents Collected? YES (list below) NO
Samples Collected? YES (list below) NO Split Samples: YES NO
Documents/Samples were: 1)Received no charge 2)Borrowed 3)Purchased
Amount Paid: \$ Method: Cash Voucher To Be Billed
The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.
Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:
Facility Layout
Process Diagrams (7 pgs)
Waste Streams (10 pgs)
Drum Inventory (10 pgs)
Manifest
3/31/97 atry Report (19 pgs)
Inspection Log
Facility Representative (print)  Signature/Date
ROBERT L. CHENER ROBUL Delhura 5/20/97
Inspector (print) Signature/Date
Dedriel Newsome Wagnel Housone 5/2097
U.S.EPA, Region VII, ENSV Division, 25 Funston Road, Kansas City, KS 66115
(rev:1/20/93)

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REQUEST FOR CONFIDENTIAL TREATMENT

EM du.

Facility Name Monsanto - Queeny F	Plant	
St. Lovis, MO		Constains
Information for which confidential t	reatment is	/
	E C.	
		- marken
		777 2
	· · · · · · · · · · · · · · · · · · ·	<u> - سامند</u>

### Acknowledgement of Claimant

The undersigned requests that confidential treatment of the information described be provided in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the applicable statute under which the information is obtained. The undersigned further acknowledges that they are authorized to make such claims for their firm.

The undersigned also certifies that each claimed item described above meets all of the following criteria (40 CFR 2.208):

- Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
- 2. The information is not, and has not been, reasonably obtained without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
- 3. The information is not publicly available elsewhere.
- 4. Disclosure of the information would cause substantial harm to your company's competitive position.

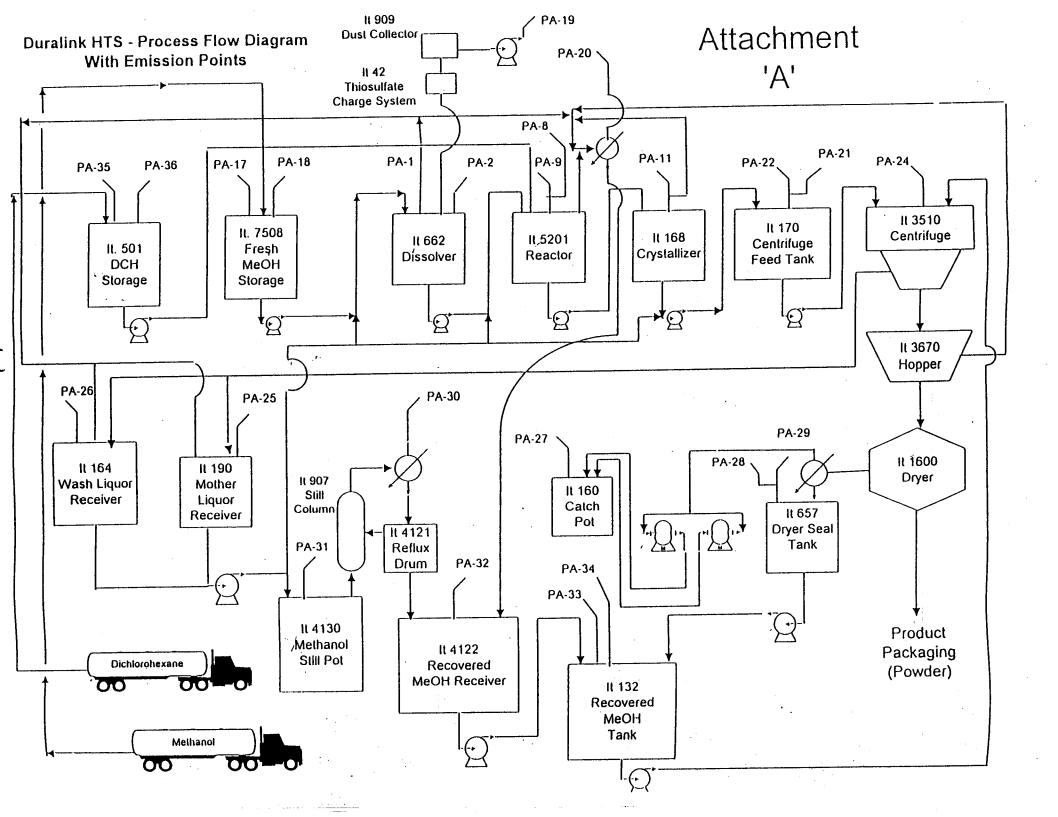
<u>In addition</u>, within 15 days of your claim, you must provide written comments in support of the claim, based on factors listed in 40 CFR 2.204(e)(4). Failure to submit comments by this deadline will be deemed a waiver of the claim pursuant to 40 CFR 2.205(d)(1).

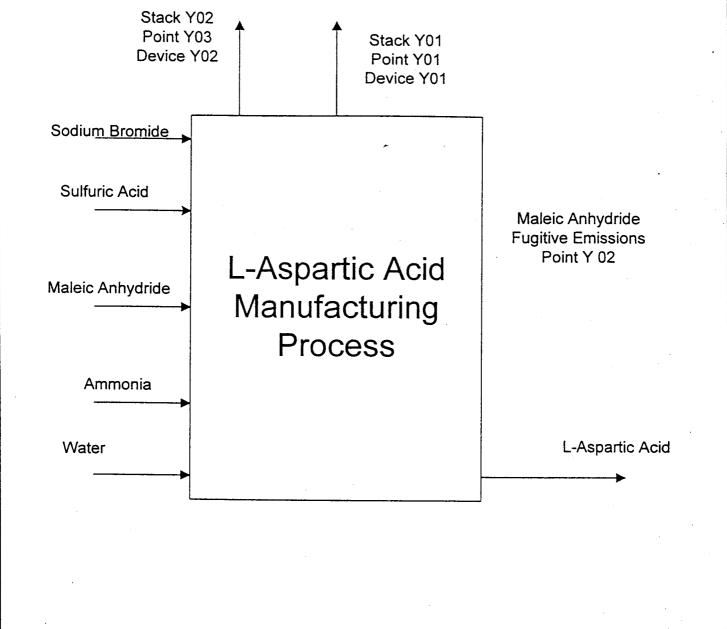
Authorized Representative (print)	Signature/Date
ROBERT L. CHEBVER	Kobert & Chewa 5/20/97
No confidential treatment claimed during the inspe	ction:(Facility Representative's initials)
Inspector (print)	Signature/Date
Dedrielllowsome	Dedriel Newsome 5/20/0
U.S.EPA, Region VII, ENSV Division, 25 Funston Roa	

# Notice of Violation Pursuant to Requirements of the Resource Conservation and Recovery Act (RCRA)

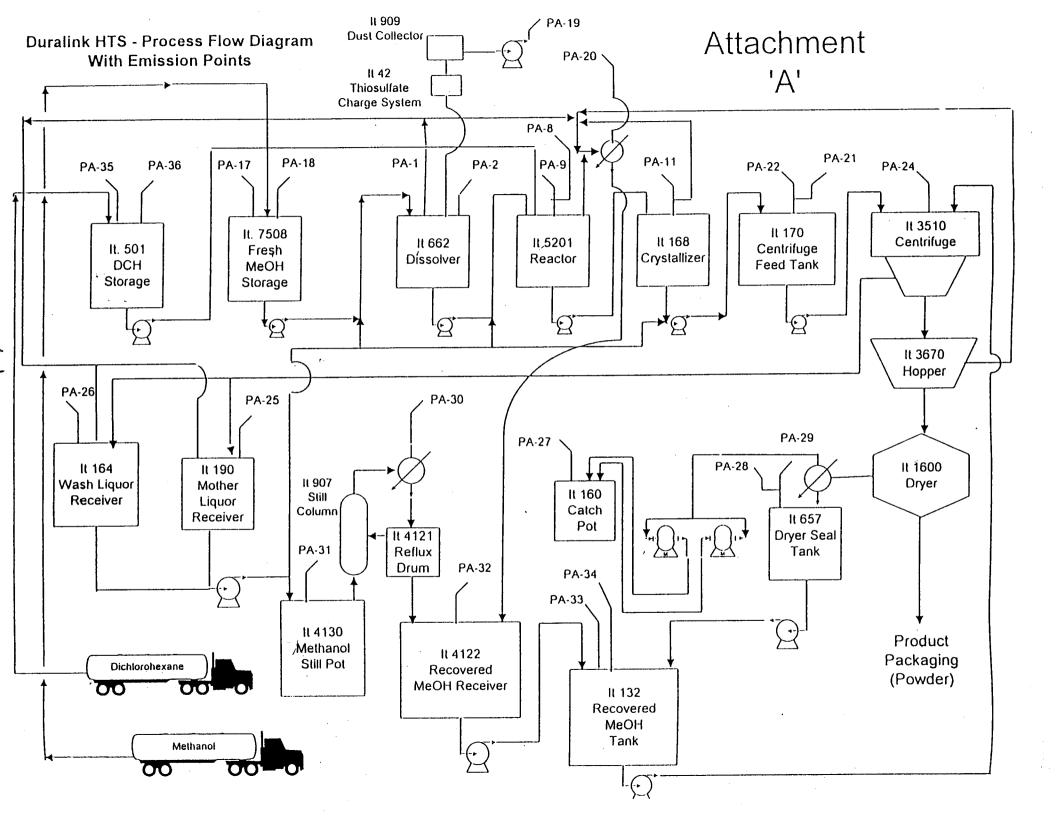
TO: Facility Name: Now	Santo Queeny Plant S. Second Street
5+. L	ouis, MO 63177-7640
EPA ID Number: MOD	004954111 Date: 5/20/9/
During an inspection just Subtitle C of RCRA and reg violations were identified	completed to determine compliance with the requirements of ulations promulgated pursuant thereto, the following:
Citation	Description of Violation
1, 10 CSR 25-5. 262 (1) mg 46 CER 262,34 (a) (1) mg 40 CFR 265.177 (c)	Separate incompatibles in 690 day Storage area
3.10 (SK 25-5,262.(3) (C) 2B(111)(9)	Containment system cracked
earliest possible time. Trative Civil Complaint) i	call your attention to those areas of noncompliance at the his notice does not constitute a compliance order (Adminis-ssued pursuant to Section 3008 of RCRA and may not be a olations which may be identified as a result of this inspection
days of receipt of this no schedule for completion of Chief, RCRA Branch, U. S. Ave., Kansas City, Kansas, will be considered in subs	recessary correction actions to be taken to: Ed Buckher, Environmental Protection Agency, Region VII. 726 Minnesota 66101. The corrective actions taken by Moneganto Quet equent enforcement follow-up. Should civil penalties be in(s) will be considered in assessing the penalty amount.
EdRuckner	on this Notice or wish to discuss your response, you may call (U. S. EPA) at (9/3) SS/-7621, or,
This Notice prepared by $\widehat{\underline{\Gamma}}$	padriel Newsome Date: 5/20/97
The undersigned person her Notice and has read same.	eby acknowledges that he/she has received a copy of this
F	Printed Name: ROBERT L. CHEEVER Date: 5/20/97
9	Signature: But & Musa
	Title: TFD and SOLIO WASTE Sist.

7-EPA-3500.7 (Rev. 5/85)





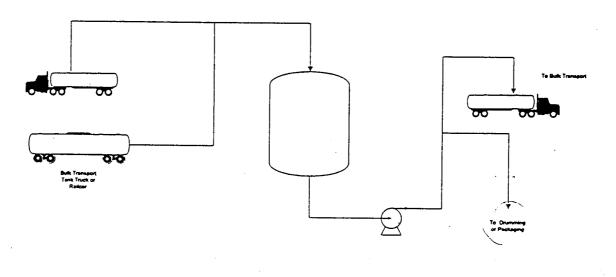
MO 780-1431 (12/96)



### CENTRAL DRUMMING PROCESS DESCRIPTION

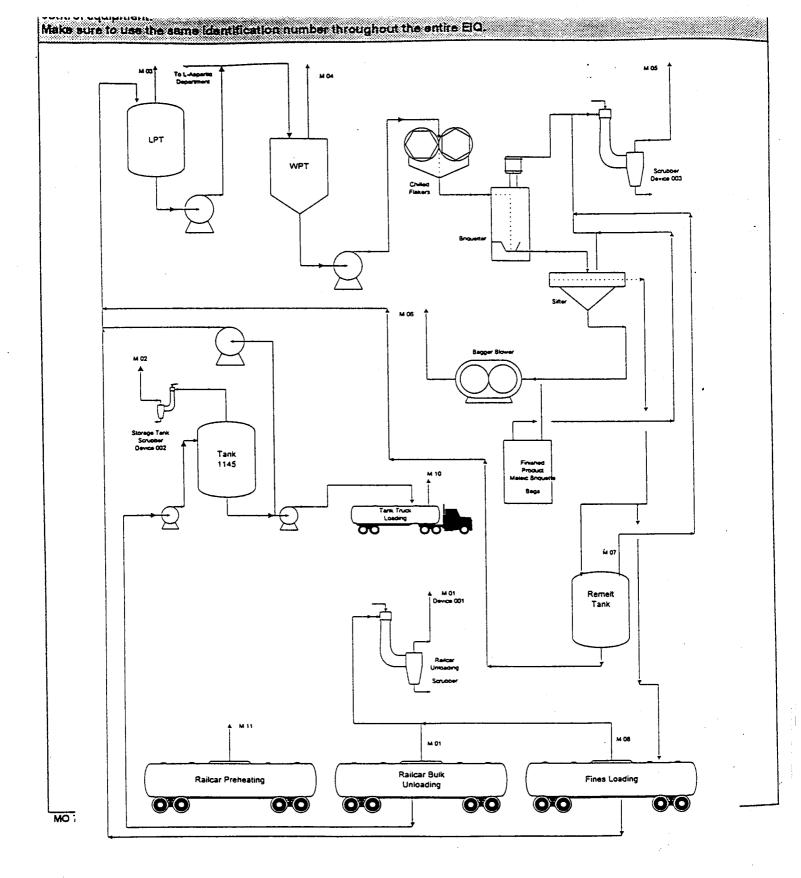
The Central Drumming Department handles various platicizers, polymer modifiers, heat transfer fluids, and hydraulic fluids in transfer or blending operations. There are 24 storage tanks in the department, and each is then transferred or blended in bulk or drum containers. As the Central Drumming operations do not entail any chemical reactions, the flow diagram would be best shown as below.





MO 780-1431 (12/96)

Duplicate this form as needed.



Maleic Briquette Process

### PROCESS DESCRIPTION FOR UTILITIES

Monsanto-John F. Queeny uses lime for neutralization in its waste water pretreatment facility, prior to discharge to the Metropolitan St. Louis Sewer District. The lime is stored in a silo, prior to its use. Additionally, there are also secondary emissions from the waste water pretreatment neutralization system.

Monsanto-John F. Queeny also use gasoline and diesel fuel for various vehicles used throughout the facility, including fork lift trucks and maintenance trucks. Additionally, diesel fuel is used to run fire protection system booster pumps.

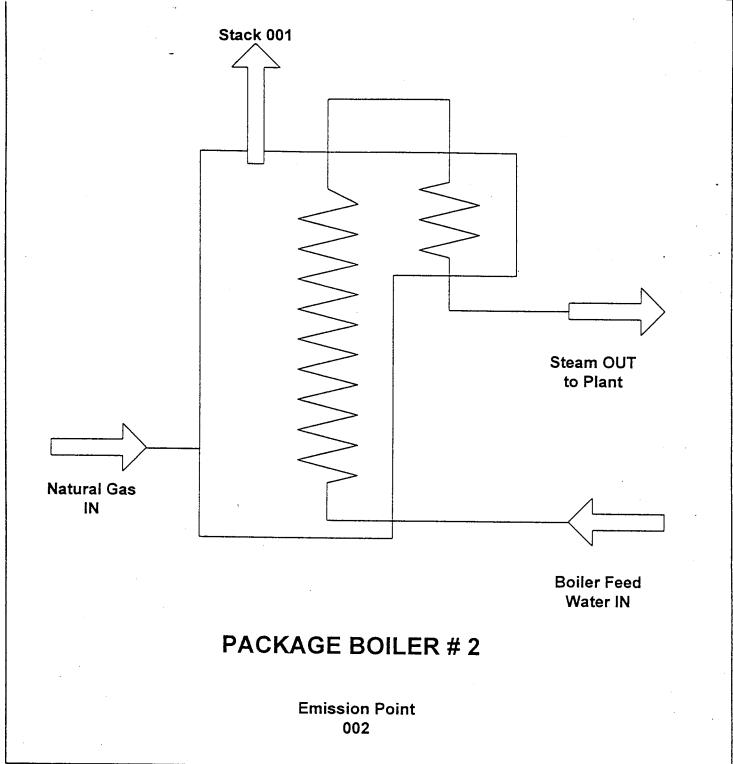
Monsanto-John F. Queeny has a cooling tower which provides chilled water throughout the facility. Additionally, there is a cooling tower that provides chilled water for the multi product facility, PA Building.

MO 780-1431 (12/96)

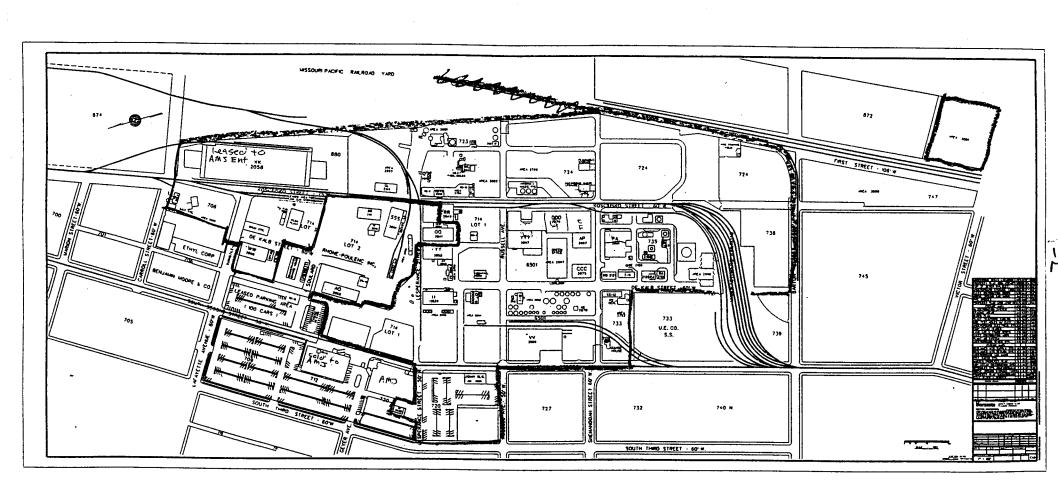
## PROCESS DESCRIPTION FOR RESEARCH PILOT PLANT FACILITY

At Monsanto-John F. Queeny Plant there is a small scale research and development pilot plant which produces small quantities of proprietary research material for product evaluation. The pilot plant will have several processes throughout the year, operate in WW Building.

MO 780-1431 (12/96)



MO 780-1431 (12/96)



1996 DURALINK WASTE MATERIAL						
	TYPE		# OF		EPA CODE	
MATERIAL	TREAT.	HAZ.	DRUMS	LBS.		OTHER
CAUSTIC RINSE WATER	INC	Y	6	2,991	D002	
DRUM RINSE WATER	INC	N	4	1,915		
DURALINK METHANOLWATER	INC	Y	2	892	DOO1	
DURALINK SALT FILTER MATERIAL	INC	N	1	235	***************************************	
DURALINK WATER FILTERS	INC	N	3	246		
DURALINK WET CAKE	INC	N	37	14104		
DURALINLK	INC	N	1	180		
LAB GLASS JARS	INC	N	1	330		
PROTECTIVE GEAR	INC	N	2	64		
ZORBALL/DURALINK	INC	N	1	410		
TOTAL			58	21,367		
			1			

1996 LAB WASTE MATERIAL						
	TYPE	<u> </u>	# OF			
MATERIAL	TREAT	HAZ.	DRUMS	LBS.	EPA CODE	
						OTHER
CONTAMINATED LAB MATERIAL	INC	N	5	601		
DURALINK	INC	N	4	480		
FEES			1			_
L-ASPARTIC ACID	INC	N	2	437	*** · · · · · · · · · · · · · · · · · ·	
LAB CRUSHED GLASS	LF	N	3	5,754		_
LAB SOLVENTS	INC	Y	18	7,663	DOO1,DO22,FOO3,FOO5	$\neg$
MALEIC ANHYDRIDE	INC	Υ	32	4,424	U147	
TOTAL			64	19,359		
			<del> </del>		······································	<del> </del>

1996 CENTRAL DRUMMING WASTE MATERIAL							
	TYPE		# 0F		EPA CODE		
MATERIAL	TREAT	HAZ	DRUMS	LBS		OTHER	
ACID WASH WATER	INC	Y	1	498	D002		
CAUSTIC RINSE WATER	INC	Y	12	5,782	D002		
DIPHENYLAMINE	INC	N	3	295			
DRUM RINSE WATER	INC	N	10	4,076			
FEES							
HYDRAULIC FLUID	INC	Y	250	117,090	D005,D006,D018		
HYDRAULIC FLUID CARTRIDGES	INC	N	121	11,719			
LEAD PAINT CHIPS	INC	Y	1	25	D008		
PROTECTIVE GEAR	INC	N	5	167			
TOTAL	_		403	139,652			
			1			_	
			<del> </del>			_	

1996 PLANTWIDE MATERIAL							
	TYPE		# OF				
MATERIAL	TREAT.	HAZ	DRUMS	LBS.	EPA CODE		
			1			OTHER	
AEROSOL	INC	Y	2	198	D001		
FEES			1				
HYDROCHLORIC ACID	INC	Y	3	910	D002		
NICKEL/CADIUM BATTERIES	RR	Y	1	17	D006,D002		
PVC WELL PIPE - AAA & BM AREA	LF	N	2	244			
ROFFING TAR	INC	N	1	458	• • • • • • • • • • • • • • • • • • • •		
USED BATTERIES	INC	N	1	128			
TOTAL			10	1,955			
			1				

1996 MALEIC DEPART. WASTE MATERIAL						
MATERIAL	TYPE TREAT.	HAZ.	# OF DRUMS	LBS.	EPA CODE	
						OTHER
MALEIC ANHYDRIDE	INC	Υ	7	957	U147	
PROTECTIVE GEAR	INC	N	8	494		
TOTAL			15	1,451		
L						

1996 L-ASPARTIC WASTE MATERIAL							
TYPE		# OF					
TREAT.	HAZ.	DRUMS	LBS.	EPA CODE			
		[ I			OTHER		
INC	N	16	5,137				
INC	N	57	104,895		45 SS		
INC	N	8	1,651				
INC	N	41	5,439				
INC	Y	1	301	D098,D008,D039			
INC	N	14	500				
INC	Y	5	2,100	D098			
		142	120,023				
	TYPE TREAT.  INC INC INC INC INC INC INC	TYPE TREAT. HAZ.  INC N	TYPE  # OF TREAT.	TYPE # OF TREAT. HAZ. DRUMS LBS.  INC N 16 5,137 INC N 57 104,895 INC N 8 1,651 INC N 41 5,439 INC Y 1 301 INC N 14 500 INC N 14 500 INC Y 5 2,100	TYPE # OF TREAT. HAZ. DRUMS LBS. EPA CODE  INC N 16 5,137 INC N 57 104,895 INC N 8 1,651 INC N 41 5,439 INC Y 1 301 D098,D008,D039 INC N 14 500 INC N 15 2,100 D098		

1000   111	AINTENANCE	<u>DLI I</u>	T T	MATERIA	<u> </u>	_
	TYPE		# OF		· · ·	
MATERIAL	TREAT	HAZ	DRUMS	LBS.	EPA CODE	
						OTHER
FLUORESCENT LIGHT BULBS	RR	Ý	8	312	D009	
EAD ACID BATTERIES	RR	Υ	4	2,250	D002,D008	
MOZEL (SOLVEN+)	INC	Y	2	906	D001	
OIL	INC	Υ	2	566	D008,D039,D098	
OIL FILTER FILTERS	INC	N	1	145		
PROTECTIVE GEAR	INC	N	3	97		
TOTAL			20	4,276		

Pilot Plant

1996 W	WBLD	G. WAS		TERIAL		T
						<b>—</b>
	TYPE		# OF			
MATERIAL	TREAT	HAZ	DRUMS	LBS.	EPA CODE	OTHER
ACETIC ACID	INC	Ψ	6	1591	2002	
ACETONE SOLUTION	INC	Ý	30	10.874	D002 D001,F003	
ACETONE/ALCOHOL RINSE	INC	Ÿ	1	450	F003 F005	+
ACRYLIC ACID	INC	Υ	1	100	D001, D002, U008	
ACTIVATED CARBON/ACETONE	INC	Υ	1	50	F003	
ALPHA METHYL STRENE LINEAR DIMER AZORYL MOTHER LIQUOR	INC	N	1	49		
AZORYL WASH WATER	INC	Y	10	4,533 2,143	D001,D002	
CANS OF PAINT	INC	Ÿ	1	64	D002 D008,D001	-
CONTAMINATED LAB MATERIAL	INC	N	<del>                                     </del>	45	0008,0001	
DIPHENYL OXIDE	INC	N	1	53		
ORUM RINSE WATER	INC	N	2	997		<del> </del>
EMPTY 5 GAL, CANS (LAST HELD 0S-124)	INC	8	88	528		
EMPTY BENZENE PHOSPHORUS DRUM EMPTY GAS CYLINDER	INC	N	1	56		
FEES	INC	N	1	<u> </u>		
HB-40	INC	N	1	48	<del></del>	<del></del>
HCL LECTURE CYLINDERS	INC	Y	1	23	Q002	
HCULITHIUM DIISOPROPYLAMIDE	INC	Ÿ	2	1,009	D002	+
HYDRAZINE	INC	Ý	4	1,668	D002	
ISOPROPANOL DISTILLATE	INC	Y	1	172	D001,D003	
LAB PACK - ALUMINUM CHLORIDE LAB PACK - BENZENE & WATER	INC	Y	1 1	46	D002,D003	
LAB PACK - TRIETHYLAMINE	INC	Ÿ	1	20	D001,D018	
LAG GLASS	INC	N	2	635	D002	
LEAD PAINT CHIPS	LF	Y	1-1-	125	0008	
LITHIUM DIISOPROPYLAMIDE	INC	Y	91	1,580	D001.D003.F003.F005	+
METHANOL	INC	Y	6	1,983	D001,F003	<del></del>
METHANOL DISTILLATE	INC	Y	2	607	D001,F003	
METHANOL WATER WASH	INC	Υ	2	599	D001,F003	
MON 48500 BRINE WASH MON 48500 MOTHER LIQUOR	INC	N	4	995		
MON 61200 TOLUENE WATER LAYER	INC	Ÿ	6	2357	D001	
MON 61200 WASH WATER	INC	Ÿ	15	2,301 3,636	FOO5 D002	<del></del>
MON 61400 MOTHER LIQUOR	INC	Ÿ	9	2,615	0002 0001,F003	
MON 61400 WASH WATER	INC	N	2	652	5001,7 003	<del> </del>
MON 61400 WATER DISTILLATE	INC	N	1	338		<del> </del>
MON 70600 FILTRATE WASH	INC	Y	26	10,051	D002	
MON61400 SODIUM HYDROXIDE WASH OS-124 ALUMINA CAKE	INC	Y	4	1,797	D002	
OS-124 FILTER CAKE	INC	N	1	95		
OS-124 FORECUT	INC	N	2	1,547	· · · · · · · · · · · · · · · · · · ·	
OS-124 RESIDUE	INC	N	2	639	···	
OS-124 TRANSITION CUT	INC	N	5	1644		-
OS-138 FILTER CAKE	INC	N	1	145		+
PCE WITH SANTOVAC 5	INC	Υ	1	210	D039 ·	
POLYSUCCINIMIDE PROTECTIVE GEAR	INC	N	4	648		
pTSA	INC	N V	36	1,378	200	<del></del>
SANTOWAX	INC	N	1	33,640	D002	1 1 77
SANTOWAX MOTHER LIQUOR	INC	Y	36	13,104	D001,F005	<del> </del>
SCRUBBER SOLUTION	INC	Ÿ	19	8,087	U001,F000	
SODIUM BROMIDE/SODIUM SULFITE	INC	N	2	438		+
SODIUM HYDROXIDE AND WATER	INC	Y	9	3,900	0002	
SODIUM METHOXIDE 25 WT. SOLUTION SULFURIC ACID	NO.	Y	1	285	D001,D003	
THIONYL CHLORIDE	INC	Y	2	1,196	D002	
THIONYL CHLORIDE/TOLUENE DISTILLATE	INC	<del>Y</del>	6	1838	D001, D002, D003	
TOLUENE	INC	<del></del>	9	2835	D001,D003,D002,F005	+
TOLUENE DISTILLATE	INC	<del></del>	15	5,369	D001	
TOLUENE WATER	INC	Y	1	295	D001,F005	+
XPM 100J WASH WATER	INC	Y	7_	2,429	D002	1
TOTAL						
IOIAL			501	134,851		
			Į.			

1996 UTILITIES WASTE MATERIAL						
MATERIAL	TYPE	HAZ	# OF DRUMS	LBS.	EPA CODE	-
MATERIAL	IREAI	HAL	DRUMS	LBS,	EPA CODE	OTHER
OIL	INC	Y	1 1	165	D008.D039.D098	10
COOLING TOWER SLUDGE	INC	Y	1	2,000	D004,D008D006,D011,D007.D00	5
TOTAL			2	2,165	<del>                                     </del>	<del> </del>

# Monsanto

1700 South Second Street P.O. Box 7040 St. Louis, Missouri 63177-7040 Phone: (314) 622-1400

April 15, 1997

Ms. Dianne Holtmeyer Missouri Department of Natural Resources Waste Management Program P.O. Box 176 Jefferson City, Mo. 65102

Dear Ms. Holtmeyer;

Enclosed is Monsanto's, J.F. Queeny Plant, St. Louis, Missouri, 1 st Quarter Generator's Hazardous Waste Report for the period ending March 31, 1997.

If you have any questions or need additional information, please call me at (314) 622-1469.

Sincerely,

Richard L. Koenig Sr. Environmental Technician



MISSOURI DEPARTMENT OF NATURAL RESOURCE HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

**GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART |** 

ENTER:	_
MONSANTO CO.	
CONTACT: RICHARD L. KOENIG	
1700 S. SECOND ST.	
	MONSANTO CO. CONTACT: RICHARD L. KOENIG

MO-ID=001002

EPA ID=MOD004954111

	NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES								
NOTE PLEASE READ INSTRUCTIONS AND EITHER	PRINT OR TYPE								
SECTION A - REPORT IDENTIFICATION									
1 TYPE OF REPORT (CHECK ONE)	2. FOR THE PERIOD ENDING	CHECK ONE & FI	L IN YEAR)	3. PAGE					
OUARTERLY ANNUAL	9-30(YEAR)	12-31		1 /					
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)	₩ 3-31-97 (YEAR)	G-30(		1 OF 6					
SECTION B - GENERATOR IDENTIFICATION		,	,						
NOTE: Any change in either the mailing or site address from	Drevious reports requi	roe ropotifico	ion to the						
4 GENERATOR'S NAME X SAME AS LABEL	previous reports requi	res renotifica	ion to the	Department.					
5 GENERATOR CONTACT PERSON (NAME) X SAME AS LABEL		T							
The same as a same a sa		TELEPHONE NUM							
6 MAILING ADDRESS	<del></del>	(314)		9					
P WHICING WODRESS	CITY		STATE	ZIP CODE					
7 PLANT SITE ADDRESS & SAME AS LABEL	CITY		STATE	ZIP CODE					
			Ĭ						
8 NAME OF PARENT FIRM MONSANTO CO.	<del></del>		OFFICE USE	ONLY					
800 NOPTH LINDBERGH BLVD	ST LOUIS	40 6716	1						
SECTION C - STATUS OF WASTE GENERATED (CHECK C	., 51. E0015,	10. 0510.	<u> </u>						
9	/NE)								
SHIPPED OFF-SITE. Complete part 2, attach REPORTABLE QUA	NTITY NOT GENERATED. Sign	11. REPORTA	BLE QUANTITY	GENERATED BUT NOT SHIPPED					
1 0 1 000000000000000000000000000000000	nsmit to the department. (Do not	OFF-SITE	THIS QUARTER	. Sign certification and transmit to					
			ment. (Do not co						
SECTION D - COMMENTS									
12									
				· .					
SECTION E - CERTIFICATION STATEMENT									
SECTION E - CERTIFICATION STATEMENT									
SECTION E - CERTIFICATION STATEMENT  I certify under penalty of law that I have personally examined adocuments and that based on my inquiry of those individual that the submitted information is true.	and am familiar with the	e information	submitted i	n this and all attached					

ROBBET MO 780-1097 (5-94)

PRINT NAME

information, including the possibility of fine and imprisonment.

L. CHEEVER

MANIFEST SUMMARY REPORT

4-15-97

that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176
GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATIO	NUN NO	IBERS A	SSH	OWN ON PART I.	

GENERATOR NAME

MONSANTO COMPANY, J. F. QUEENY PLANT

EPA ID NUMBER

M. O. D. O. O. 4. 9. 5. 4. 1. 1. 1

MISSOURI T.D. NUMBER

NOTE > PLEASE READ INSTRUCTIONS	AND EIT							
ATTENTION: Summarize all shipments ma	de to the	SECTION	F - REPC	RT IDENT	IFICATION	(AS SHOWN	ON PAF	RT 1)
Hazardous Waste Management Facility		1. FOR THE	PERIOD EN	OING (CHECK C	NE & FILL IN YEA	1	-	
identified in Section G below. Additional p		□ 9-30 <b>⊠</b> 3-31-9	(YEAR)		31 (YEAR) 30 (YEAR)	_6	)OF	6
required for each off-site management facility	•	pc 3-31-1	(YEAH)	. ⊔ %	90 (YEAR)			
SECTION G - FACILITY IDENTIFICATION								
3. FACILITY NAME (NAME OF OFF-SITE LOCATION WH	ERE WASTE	WAS DELIVER	ED)	-	14	. FACILITY'S EPA	I.D. NUI	MBER
Kecyclights, Inc.					1.			
						1.N.00.0.	0.6.0	3.4.68
405 West 86th Street		STATE		P CODE	16	. FACILITY'S MIS	SOURI I.	D. NUMBER
Bloomington		MN		55420				
SECTION H - WASTE IDENTIFICATION		111		10 U				
7		8	9.		10.	11.	12	13.
DESCRIPTION OF WASTE	EPA HA	ZARDOUS	TAX	,	OTAL AMOUNT	UNIT	SPECIFIC	FINAL
N SHIPPED TO THE E FACILITY LISTED ABOVE	1	NUMBER	(SEE INST.)	•	OF WASTE	OF	GRAVITY	HANDLING
	5000	10	<u> </u>		· · · · · · · · · · · · · · · · · · ·	MEAS.		CODE
1 Fluorescent Light Bulbs	12 0.0.0	P 0.0.8	4	1	o a	ρ		TO 4
		<del>\</del>			UA		•	107
2			1			1	·	
3					<del> </del>			
	• • •	<u> </u>					•	
<b>4</b>	· · ·	<del>                                     </del>						
_		<b>.</b>					•	
5		<del> </del>					·	
6					·····			
							•	
7	· · · ·	• • •					•	
	<del>-: : :</del>	<del>                                     </del>					•	
18	• • •	<del>                                     </del>					·	• , •
<b>SECTION I - TRANSPORTATION SERVICES</b>	UTILIZED	)	r					
14 COMPANY NAME			15 MIS	SOURI ID NO	16.US EPA I.D. N	IUMBER		
1 6 60			Н	2.1.2.	05:00		2.70	
· Safeway Chemi	cal		11, -	×146	DEROC	0.0.0.0	2 13	
ь .			H					
c			H· - ·	• • •		• • • •	• • •	
SECTION J - COMMENTS								
Section H, Line 1,#13: Re	e cycli	ahts Re	cauers	the Me	rcury			
Jac (roll)	•	,						
·								ŀ
		•						
	•							
								ļ
4O 780-1097 (5-94)								j



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

**GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART II** 

į	BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAME
	AND IDE	NTIFICATIO	NUM NC	IBERS A	S SHO	OWN ON PART I.	

GENERATOR NAME

MONSANTO COMPANY, J. F. QUEENY PLANT

EPA ID NUMBER

M. O. D. O. O. 4. 9. 5. 4. 1 . 1 . 1

MISSOURI I.D. NUMBER **2** 0 0 1 0 0 2 **3** 

					<u> </u>			
NOTE PLEASE READ INSTRUCTIONS	AND EITH	IER PRINT	OR TYPE					
ATTENTION: Summarize all shipments ma	de to the	SECTION	F - REPO	RT IDENT	FICATION (A	S SHOWN	ON PAF	RT I)
Hazardous Waste Management Facility	1				NE & FILL IN YEAR)	2. PA	3E	· .
identified in Section G below. Additional			(YEAR)		1 (YEAR)	3	OF _	6
required for each off-site management facility	•	3-31-	口(YEAR)	□ 6-3	0 (YEAR)			
	dilized.							
SECTION G - FACILITY IDENTIFICATION 3 FACILITY NAME (NAME OF OFF-SITE LOCATION WH	EDE WACTE V	VAC DEL IVED	FD)					
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<b>SECTION I - TRANSPORTATION SERVICES</b>	UTILIZED		!	***			•	
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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176
GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAM
AND IDE	NTIFICATION	NUM NO	IBERS A	SSH	OWN ON PART I.	

GENERATOR NAME

MONSANTO COMPANY, J. F. QUEENY PLANT

EPA ID NUMBER

M. O. D. O. O. 4. 9. 5. 4. 1. 1. 1

MISSOURI (.D. NUMBER

NOTE > PLEASE READ INSTRUCTIONS	AND EIT	HER PRINT	OR TYP	E					
ATTENTION: Summarize all shipments ma	de to the	SECTION	F - REPC	RT IDENT	FICATION	(AS SHO	WN (	ON PAF	rT I)
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3 FACILITY NAME (NAME OF OFF-SITE LOCATION WHI	ERE WASTE	WAS DELIVERE	D)			4. FACILITY	SEDA	LD NU	4959
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101 South Park Ave						6. FACILITY	S MIS	SOURI I.	D. NUMBER
Mount Pleasent		STATE	ZI	9 CODE 3 8 4 7 4		Q	D -7	-NO	-7
SECTION H - WASTE IDENTIFICATION				30111			N /	100	
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2 Ignitable solvent used to clean	FO:0:3			5 4	602		D		
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2 equipment Cyclohexane woshout	D.0.0.1	<del>                                     </del>		1,42	3 3		ρ		TO3
4 Ignitable liquel usesto clean equipment: A PO Acetore	F0:0:3			1,4			Ρ		TO:3
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SECTION J - COMMENTS									
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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

(314) 751-3176

## GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART II

BEFORE COPY	ING FORM,	ENTER	THE	GENERATOR'S	NAME
AND IDENTIFIC	ATION NU	ABERS AS	SHC	WN ON PART I.	

GENERATOR NAME

MONSANTO COMPANY, J. F. QUEENY PLANT

EPA ID NUMBER

M. O. D. O. O. 4. 9. 5. 4. 1. 1. 1

MISSOURI T.D. NUMBER

NOTE PLEASE READ INSTRUCTIONS	AND EIT		00.77				<u> </u>		
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6 Hydroulic Fluid containing Burium, codmium, Benzene	00.05	DO .0.6					•		, ,
Barram Codmium, Benzene	8.0.0			37	361		P		T 03
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SECTION I - TRANSPORTATION SERVICES	UTUIZED				86		P	•	70 3
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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176 GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART II

BEFORE	COPYING	FORM,	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATION	ON NUN	IBERS A	S SHO	OWN ON PART I.	

GENERATOR NAME

MONSANTO COMPANY, J. F. QUEENY PLANT

EPA ID NUMBER

M. O. D. O. O. 4. 9. 5. 4. 1. 1. 1

MISSOURI T.D. NUMBER

NOTE PLEASE READ INSTRUCTIONS	AND EITH	IER PRINT	OR TYPE					
ATTENTION: Summarize all shipments ma Hazardous Waste Management Facility y identified in Section G below. Additional p required for each off-site management facility	you have pages are	1. FOR THE 9-30 3-31-9	PERIOD END (YEAR)	HNG (CHECK O	IFICATION THE & FILL IN YEAR) TO THE STATE (YEAR) TO THE STATE (YEAR)		ON PAI AGE 6_ OF _	
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Mount Pleasent		STATE		* CODE 38474			T.N.C	
SECTION H - WASTE IDENTIFICATION		710		0111			1100	/
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SECTION J - COMMENTS			H			_	• • •	
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# HAZARDOUS WASTE DIVISION 520 LAFAYETTE ROAD ST. PAUL, MINNESOTA 55155 ATTN: HWIMS

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OMB No. 2050-0039

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l		gover	mment regulations and all applicable st	ate laws and regul	ations.		-	•			
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(Previous editions obsolete)



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
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EPA Form 8700-22 (Rev. 9-94) MDNR-HWG 10

#### MISSOURI DEPARTMENT OF NATURAL RESOURCES

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### HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No Manifest Document No 2. Page **UNIFORM HAZARDOUS** Information in the shaded areas **WASTE MANIFEST** Mic D 101049541 9,7,00 is required by State law 3. Generator's Name and Mailing Address MONSONTOCU. 1700 South Second Street, St. Louis, MO.63177 0,0,1,0,0,2 0.0.0.1 B. G.S.I. (Gen. Site Addre Same 4. Generator's Phone (314) 622 -1400 40 Rich Koening C. MO. Trans. 10 11786 of Tennessee TND981 920119 Hllworth 8. US EPA ID Number Transporter 2 Company Name E. MQ. Trans. ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Numbe G. State Facility's ID Allworth of Tennessee 101 South Purk Ave H. Fecility's Phone Mount Pleasent, TN 38474 IT.NP981920119 (615) 379-2800 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) DNR Туре Quantity Number Woste, Triethylamine, 3, UNIZ96, PEII 190 DM Waste, Acetone, 3, UN. 040, PGII F1010 D.M Woste, Flormable Liquis, NOS (Cycloherane), 3,UN1993,PGI  $O_1O_2410$  M Wask, Flammable Liquid, Nicis (Acetone), 3,UN1943, PGIII J. Additional Descriptions for Materials Listed Above Trie thylamine - TN324294- DOOL -10046 Acetone Solution TNOD 2977 - FOO3-10040 Cuclo herane 1/10 shout - TN 324285- DOOI -10040 A DPO H ce tone - TN 324287 -F003 - 10040 15. Special Handling Instructions and Additional Information
IF UncleToverable, Return To Generator
34 ltr. Evnery ency intoct! Monson to & (314) 622-1516 and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to redi and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment 17. Transporter 1 Acknowledgement of Receipt of Materials Date Day 209 18. Transporter 2 Acknowledgement of Rec Printed/Typed Name Signature Day 19. Discrepancy Indication Space 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Date Printed/Typed Nam Day ロンコダー

INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON A SEPARATE SHEET. THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

#### MISSOURI DEPARTMENT OF NATURAL RESOURCES

**Division of Environmental Quality** Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102 314-751-3176

3-397 RK

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### HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No **UNIFORM HAZARDOUS** Information in the shaded areas POCUMENT NO MICIDICICIY, 9,5,4 **WASTE MANIFEST** is required by State law 3. Generator's Name and Mailing Address Monsanto G 1700 South Second Street, St. Laus, Mi. 63177 0,0,1,0,0,2 B. G.S.I. (Gen. Site Add 4. Generator's Phone (314 ) 622-1400 40 Rich Kueni Same C. MO. Trans. ID H 1786 TNV-4776 5. Transporter 1 Company Name T, MD, 9, 8, 1, 9, 2, 0, Hollworth of Tennessee D. Transporter's Phone (615) 379-2800 8. US EPA ID Number 7. Transporter 2 Company Name E. MO. Trans. ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID Allworth of Tennessee 101 South Fork Ave H. Facility's Phone Mount Pleasent, TN 38474 [TIM D9.8, 1,9,2,6,1,1 615) 379-2800 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number DNR Number Quantity Wt∕Vo Waste, Flammable Liquidinos. (Etnyl Acetate), 3, EPA WASTE CODE SOURI UN1993, PGII D.M *0*0.31 86 G Woste, Flammable Liquid, Gorosive, N.Os (Cycloherone, Hydrochlor CACID), BUNIZ 94, PETT NER A Waste, Flammable Liquid, Corrosive, N.C.S.
(Triethylamine, Hydroculor CACID), 3, UN 1294, PGII 0 D.N Woste, Flammable Liquis, N.O.S. (Triethylamine). 310101993, PGII 00.1 IP.M n.o.n J. Additional Descriptions for Materials Listed Above thul Acetate Distillate- TN 324288 DO01 - 10040 TBAA Mother Liquor - TN 324290-DOOL, DOO2 =1004, TEAIHCL Solution - TN324291 DOOL, DOOZ-100% Triethylamine Distillate - TN 324282 - DODI=1004/4. 15. Special Handling Instructions and Additional Information IF Undelverable, Return to Cenerator 24Hr. Emergency Contact Monscento G. (314)622-1516 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, ed, and are in all respects in proper condition for transport by highway according to applicable international and national govern If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hum OR. If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford Printed Typed Name Dav Sichan CL Kien C220 197 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Day 20 9 18. Transporter 2 Acknowledgement of Receipt of Materia Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space A 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Date Printed/Typed Name Day EPA Form 8700-22 (Rev. 9-94) MDNA-HWG 10

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## HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 Manifest Pocument No 1710103 1. Generator's US EPA ID No **UNIFORM HAZARDOUS** 2. Page Information in the shaded areas **WASTE MANIFEST** is required by State law 3. Generator's Name and Mailing Address Monse wo 6. 0,0,1,0,02 1700 South Second Street, St. Louis, MO.63177 4. Generator's Phone ( 3/4 ) No Rich Keen 622-1400 C. MO. JIMME. 10 H1786 TN-V-47967 TND 981920119 Hilworth of Tennessee 7. Transporter 2 Company Name 8. US EPA ID Number E. MQ. Trans. ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Numbe G. State Facility's ID RKMO Allworth of Tennessee 101 South Park Ave H. Facility's Phone Mount Pleasent, TN 38474 (615)379-2800 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number, 12. Containers Total I. Waste No. DNR Number Type EPA WASTE CODE Woste, Tolune, 3, UNIZ 94, PEII acain.y Wuste, Flammable Liquid, N. U.S. (Acetone), 3, NERAT UNI993, PEI Waste, Flownoble Liquis, N.O.S. (Acetore, Methonol), 3, UN1993, PGIII 00.31DM Waste, Errosive Liquic IN. U.S. (Potossium Hydroxide) SIUNITOOIPGIL J. Additional Descriptions for Materials Listed Above Toluene -TNO03235-. Ace tone - TN 324283- F003-100010 Solvents - TWON 3091- FOO3, FOOS, DOZA - 1004 Patossium Ly Amacle Wash TN324284- pon2-1049 IFUndeliveruble, Return To Generator 24Hr. Emergency Contact: Monsonto G. (314)622-1516 and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national govi If I am a large quantity generator, I certify that I have a program in place to redu and that I have selected the practicable method of treatment, storage, or disposal currently available to me 62 120 17. Transporter 1 Acknowledgement of Reseipt of Materials Dav 2 12 0 15 18. Transporter 2 Acknowledgement of Receipt of Mate Date Printed/Typed Name Day 19. Discrepancy Indication Space 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Date Printed/Typed Nar Day

SEPARATE SHEET.
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### **HAZARDOUS WASTE MANIFEST**

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No **UNIFORM HAZARDOUS** Information in the shaded areas <u>1M.O.O.</u>O.O.O.49.5.4.1.1 197.00H **WASTE MANIFEST** is required by State law. 3. Generator's Name and Mailing Address Monsanto W 1700 South Second Street, Stillows, Mor63177 0,0,1,0,02 B. G.S.I. (Gen. Site Addr Som e 4. Generator's Phone (314) 623-1400 GORICH Kenig

5. Transporter 1 Company Name

6. US EPA ID Number C. MO. Trans. ID 1-1786/TNV-47767 5. Transporter 1 Company Name Allworth of Tennessee 7. Transporter 2 Company Name F. Transporter's Phone 9. Designated Facility Name and Site Address COPY 10. US EPA ID Number G. State Facility's ID Allworth of Tennessee 101 South Pork Ave TMD981,920,119 C615)379-2800 Mount Pleasent, TN. 38474 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number Total HM Type Quantity Wt/Vol Waste, Maleic Anhydriche, 8.UNZ215, PGIII GENERATOR Hozo. Jous wite, Liquid INOS: (DOUS, POIS), 9, NA3082, PGIH Nin Hazansous Weste PA WASTE CO NON HOZORGUS Weste 110 in Maleic Anhydride - TNO 02975 - 0147=10040 Hydraulic Fly & TNDB090- DOD5, DOUB, DOUS = 1004/ Dipheryl Dxche -Gulffene 16 - TN329292 15. Special Handling Instructions and Additional Information IF Indeliverable, Return To Generator 24 Hr. Emergency Contact! MUNSUNTO 13141622-1516 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national gov If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hum OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford. Day Richard L Kentu 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Day 18. Transporter 2 Acknowledgement of Receipt of Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space F A 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date Day EPA Form 8700-22 (Rev. 9-94) MDNR-HWG 10

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DEPT OF NATURAL RESOURCES
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## **HAZARDOUS WASTE MANIFEST**

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID	) NO.	Mr Docu	anifest ment No	2. Page	Inform	ation in	oso-0039, Expires 9-30 the shaded areas State law.		
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4. Generator's Phone (314) 623-1400 5. Transporter 1 Company Name	4/0/2/	ch Koeniu			C NO	ame Trans ID WITO	<del>.  </del>	<u>U.Dn</u> / n		
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15. Special Handling Instructions and Additional Informa IF Un deliverable, Re 34 Hr. Emergeny Gintact	tuin To Gene		6							
16. GENERATOR'S CERTIFICATION: I hereby declare the and labeled, and are in all respects in proper condition for if I am a large quantity generator, I certify that I have and that I have selected the practicable method of tree.	r transport by highway accord a program in place to reduc atment, storage, or disposal c	ing to applicable internati e the volume and toxicit turrently available to me	onal and n y of waste which min	national gover generated to nimizes the co	mment required to the degreesent an	gulations and applica pree I have determin of future threat to be	ble state ed to be iman bea	regulations. economically practicab ith and the environmen		
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9. Discrepancy Indication Space	1	**************************************						<del> </del>		
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DEPT. OF NATURAL RESOURCES

### HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No. Information in the shaded areas **UNIFORM HAZARDOUS** Document No WASTE MANIFEST <u>M</u>O,0,0,0,4<u>9,5,4</u>, is required by State law 119,7,0,0, 3. Generator's Name and Mailing Address Monsento 6. 1700 South Second Street, St. Louis, 63177 4. Generator's Phone ( 314) Gir Rich Kenig 62A-1400 5. Transporter 1 Company Name TIND1918111912101 Allworth of Tennossee 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address
Allworth of Tennessee 10. US EPA ID Number 101 South Park Ave Mount Pleasent, TN 38474 TN019181192011 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number Total Type Wt/Vol Number Quantity Waste, Acetone, 3, UNIO90, PGII 00 5 D M GENER Waste, Flammable Liquid, N.as. ( Ethyl Acetate), 3, D.M UN1993, PGII 00 A A T O R Woste, Flammable Liquid, Corrosive, N.O.S. (Cyclohexane, Hydrochloric Acid), 3, UNIZ94, PGII Waste, Toluene, 3, UNI294, PGII d. Acetone Solution - TNOO2977 - FOO3-10046 thyl Acetate Distillate TN 324286 - DOOL-100% BAA Mother Liquor TN 324290 - DOOL, DOV2 700% Toluene - TN 003235 - FOOS - 10040 15. Special Handling Instructions and Additional Information
IFUNDE ILUCIAGE RETURN TO GENERATOR 24 Hr. Emergency Contact 1 Monsonto 6 - (314) 6221516 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically program. temporizes and the environment Printed/Typed Name Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Date Day Signature ひ.オ/コリタ nderson 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Day Signature 19. Discrepancy Indication Space Ĉ 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name EPA Form 8700-22 (Rev. 9-94) MDNR-H

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## **HAZARDOUS WASTE MANIFEST**

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INSTRUCTIONS FOR THE COM-PLETION OF THIS FORM ARE ON A SEPARATE SHEET. THIS DOCUMENT MUST BE USED

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DEPT. OF NATURAL RESOURCES

#### 314-751-3176 HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No. Information in the shaded areas UNIFORM HAZARDOUS MODDO495H **WASTE MANIFEST** is required by State law 3. Generator's Name and Mailing Address Monsonto Co. 1700 South Second Street, StiLouis, Mo. 63177 4. Generator's Phone ( 314 ) 622-1400 c/aRich Geni 5. Transporter 1 Company Name Allworth of Tennessee TMD9.811.92 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address 10. US EPA ID Number Allworth of Tennessee 101 South Park Ave Mount Pleasent, TN 38474 | TIM DIG 181/19126 1119 Total Quantity Number Woste, Corrosive Liquid, N.O.S. (Potassium Hydrocode) & UNITGO PGIT DA IDM Waste, Corrosive Liquid, N.O.S. ( Solium Hydroxde), 8,0 N1760, PGIII A Woste, Maleic An hydride, 8, UND215PGIII d. Hazardous Woste, Liquid, Nios C DODS, DOIS), 9, NA 7062, 45 Mother Lungs - TN 724289 -Dood-100% austic Rinse Water - Two 02976 - Dom -100% Maleic Auharide - TNOD2975 - U147-1004 4 Araulic Fluid = TNO 03090-0015, 2006 0018-19/16 24Hr. Emergency Gntact: Monsonto Go. (314) 622-1516 IFUNDE liverable, Return To Generator 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Month Printed/Typed Name Signature 19. Discrepancy Indication Space A Date 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Day Rowk

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

EPA Form 8700-22 (Rev. 9-94) MDNR-HWG 10

#### MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

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EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-8300
DEPT. OF NATURAL RESOURCES
314-634-2436

**HAZARDOUS WASTE MANIFEST** 

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No. **UNIFORM HAZARDOUS** Manifest 2. Page . Information in the shaded areas Document No. **WASTE MANIFEST** MODOO 4.9.**5**.4.1 is required by State law 3. Generator's Name and Mailing Address Monsonto Co. 1700 South Second Street, Strhours, MO. 63177 4. Generator's Phone ( 314) 622-1400 C/O Rich Koen, 6. US EPA ID Num Allworth of Tennessee TIND 9 18 119 2011 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number Allworth of Tennessee 101 South Park Ave Mount Pleasent, TN: 38474 TIMD1918,1,912,0,1,1,9 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Unit USED OIL NOT Hazardors Under DOT OF EPA 2,8,3 NON Hazardous Woste NON HOZARDOUS GACK 001 DF Non Hazardous Wask J. Additional Descriptions for Materials Listed Above - TN 003092 0098-1004 200 belland Duratink - IN 32 1441 1 toHAK MPP Conteminated with 3rtall-TN003282 Drum Rivse Water - TN 002949 15. Special Handling Instructions and Additional Information IFUNGeliverable, Return To Generator 24 Hr. Emergency Contact: Monso NOG. (314)622-1516 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. and that I have selected the practicable method of treat which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste ger Signature 17. Transporter 1 Acknowledgement of Receipt of Materials Date Signature Day Tenderson 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month 19. Discrepancy Indication Space Ĉ 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Nam Day

HIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED CILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR.

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

EPA Form 8700-22 (Rev. 9-94) MDNR-HWG 10

#### MISSOURI DEPARTMENT OF NATURAL RESOURCES...

3-3197RK

EMERGENCY RESPONSE
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOURCES
314-834-2436

#### **HAZARDOUS WASTE MANIFEST**

Please print or type (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No 2050-0039, Expires 9-30-96 1. Generator's US EPA ID No. **UNIFORM HAZARDOUS** Information in the shaded areas MO.D. 0.0.4.9.5.4.11.1 9.7.01.5 **WASTE MANIFEST** is required by State law 3. Generator's Name and Mailing Address Monsanto Q. 1700 South Second Street, St. Louis, Mo. 63177 4. Generator's Phone (314) 622/400 · do Rich Knen 4 5. Transporter 1 Company Name Allworth of Tennessee TIN.D.9.8.1.9.2.01 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address
Allworth of Tennessee
101 South Park Ave, 10. US EPA ID Number Mount Pleasent, TN ITMD19181/1921011/19 38474 12. Containers Total Unit Туре Number Quantity Weste, Hydrogen Peroc de, Aqueous solution with less than 20 percent but more than 40 percent Hydrogen a. 0,0,7 DF Peropole, S.I, UNZOIY, PGII GENERAT ò R d. Whose Person Land House Door Lotte 15. Special Handling Instructions and Additional Information
IF UNDE I WERUBIE, Return To Generator (314)6224516
24Hr: Emergency Contact: Mornsontolo (314)6224516 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, pecked, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government int regulations and applicable state regulation If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which mini OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste ge reration and select the best waste management method available to me that I can afford. 17. Transporter 1 Acknowledgement of Receipt of Materials TRANSPORTER Printed Pyped Name Dav Signature enderson 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Day 19. Discrepancy Indication Space Ĉ 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date Day DW/c)

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR.

		Lo	Cu	tion			in storage	at time			
Date		ЕРЛ		d -1		- <del></del> -	waste in storage at time of inspection, are the rows with no Date Removed " want				
Ndded	Maste Description	ID #(a)	116	S Quantity	Signature		Date Removed & Disposi	tion Glgnature			
1-6-97	Hydraulic Fluid Gartridge		_	/ 3	Raharl Koeny		TN 2.2097	Ruhanekeny			
1-6-97	Protective Gear	00.70001	-	$\sqrt{\perp}$	Redranklowny		2.2097	Ryhadkeny			
1-6-97	Hydraylie Flyic	0005,000 6 0018	<u>v</u>	5	Ruhadkeny	٤	752097	Redranklyen			
1-797	Maleic Anhydride	<u>V147</u>	_ -	41	Rubankhoening		TN2:2097	Lebert Krein			
1-797	Hydraul c Fluil	0005,0006 DOLK	<u>/</u>	3	Ryhad Keny.	ļ.	7m22097	Palintken,			
1-7-97	Hydrayla Fluid Contridge			1	Rubraul / Geny		7/2 2097	Ruhadkelm			
1-14-97	L'Aspirtic Filter Gatruse		_   _	2	Patrondhoeny		TN 2097	Rebenfleen.			
144.97	· Protective Geor		_  4	10	Ruhandliveny		722097	Reliasilaring			
1-21-97	Hydraylic Fly, Q	0005 000 6 DUIK	4_	6	Ralland Coming		TN 28097	Relastorene			
1-21-97	Maleie Anhydrile.	V147		1.	Rubarl Geny		ZN2097	Rubantlain			
1-2197	Protective Gear		l	1	Redrayliven	*	7n 22097	Rufranthiene			
12197	· Hydraulic Fly & Girtidue		ı	2	Relangence		752097	Relevition			
1-23:97	Lab Solvents	DODD FOOD FOUS		1	Pedle Honey	**	22097	File Skiens			
12897	Las Cryshal Gloss		c	1.	Reharlkelner		Emelle 3-2097	Redardine			
1-2897	Protective Gen		ν		Palay Calving	<b>2</b>	T, 22097	Rahidkaling			
1-2897	L. Aspartic Filter Gartrubge		ι	2	Rulkery	***	7122097	Pelladitery			
1-2897	LAspurtic Acid		c	1	Ruley bear	***	7N 2.7097	Pedrafloonia			
1-2897		V147	V	2	Richardbeny		72-2097	Redallien			
2-397	L-Aspartic Filterartrobe		V	1	Prohabloria		72-2097	Probablicano			
.2397	Maleic Anhylride	<i>V1</i> 47	$ _{\mathscr{L}}$		RubiungKenig		TN 2097	Rebrus livery			
2697	Lah Glass		V		Rebard Geny		7122097	Edical Kounes			
2697	Hybraulic Flu & Certridge		$\nu$	_2	Ruhand Kreney		Ti 2209	Proling ligary			
2697	Hulmila Hu. Q.	7005,0006 L	1	6.	Roberton.		TN221.47	Por Great His			

# Nazardous Waste . rage Inventory

Location East of DOD Bldg

					-				
Date.	Name Description	EPA ID (a)	L14-114 Sel: 3	Quantity	<b>6</b> lgnatura		Date Remo	ved & Disposition	Signature
2697	Protective Gear			1	Ruberd Weny		TN 2.2097		Puharlipena
2-697	Woste Oil	1098	0	1	Ruharlkolny	[	TN2.2047		Rehallanis
2697	hab Solvents	DUZZIFOUS FOUS	v	1	Rochard toeny		TW 2-2097		Rehard Com
2-797	Hydraulic Fluid	0005,0006 001 x		.4	Ruhallering		TN (2)	(a) 3+397	Februs / Falari
2-1197	Maleic Auhydrule	<u> 1147 </u>	<u> </u>	2	Rubery/acras		72 2-2097		Ruhalberry
2-11-97	Protective Gear		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5	Reband toeny		7h 2+047		fuchow Kenny
2-1197	Triethylamine	P001	V _	1	Ruberd Kowny		2-2097 TN		Rehard Kennig
2-1197	· Potassium Hydroxide Wash	०००३	V_	12	Rulian Kveny		22097(7)	(5) 7N 3-1397	Februal Bang Kis
27197	Diphenyl Oxide		V	1	Richarlkany	*	Try 2097		Ruharligery
2-1197	Gulftene 16		<b>V</b>	<u> </u>	Rubrard Koling		TX-2097		Rehardberg
2.1197	Acetone	F003	ال	19	Rubenelkolmy		7N (14) 2-20-97	(5) TN 31397	Pular Keny
2-1197	CyclohepaneWashout	000 1	V	'4	Pulyand Gany		72.2097		Ruhard Koong
2-1197	ADPO Acetona	F003		4	Ruhartheny	8	22097		Rechard Kvenio
2-1197	Ethy   Acetate Pistillate	0001		5	Ruberlary	×	TN (3)	(2) TN 3-1347	Puharlang live
.2.1197	TBAA Mother Liquer	Doul	V	2	Palue Gerry		TN (1)	(1) TN 31347	Rechard Kong / Ruh
2-1197	TEAIHCL Solution	pool	$\sqrt{}$	2	Ruhand Krening	*	TX 2097		Perhand Keny
2-1197	Trie thylamine Distillate	Dool	<i>/</i>		Rubankolny	***	TX 2097		Rehard Benig
2-1197	Toluone	F005	4	3	Richard Coning		TN (2)	(1) 70/31347	Rubanskeny Kas
2-1197	PSI Acetona	F003	71		Ruhalberry		TN 22097		Pulran Kong
.2-11-97	NC-45 MitherLigar	D002			Ruhal Koening		73-1347		Polaskony
2-11-97	05-124 Alumina Water		4		Ry houl Genis		73/397		Redand 162mg
2-12-97	L-Asportic Filter Gortrobo		<u> </u>	2	Ruhallany	Ĭ	Th/22097		Ruhadhoung
714-97	L-Asportic Filter Cartrolo		U	L	Recharlesing		TN22097		Patrad bearing

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.Date Added	Waste Description	EPA	Licura	Quantity	Signature		Date Re	moved & Disposition	61gnatur:
2-18-97	Hydranlie Fluil	0005 18006 00:8			Rubrarl Keny	7	TN 3-139	,	Rubyllien
2-19-97	Hydroulic Fluid Entridge		- ;		Rubyal kiena	- -	3-1397		Reharltony
2-19-97	Hudraulie Fluid	DU05.0006		5	Rubyerlkung	- :	-1347 -13439		
22097	Hybraulic Fluid	DUUSIDUOG DUIK DUUSIDUUG DUIR	-  -	3	Ruhand Keng	- }	77 3.139	<u> </u>	Rechard Geny
2.20-97	Hydraulic Fluid Gartridge		<u> </u>	2	Rubayl Gener	- :	TN 31397		Ry Garl Gang
	, y					- ;;		-	Reband Kieny
22097	Protective Gear	Duos 1006	-  <sup> </sup>	<del>-</del>	Ruhand beny	-  🖁	TN 3139		Rubard Kreny
2-21-97	Hydraulie Fluid	P005, P006	<u>-</u>  -	-	Ruhard Knerry	- 4	TN3139		Rubal Ken
3-397	· Hydranke Fluid	<u>1201.8</u>	$\frac{\nu}{-}$	5	Ruband Keeny	- *	TN3.139	_	Februl laan
3-397	Puralink Methanol	Fou3	<u> </u>		RubrardKoeny	- #	TM3139		Federallong
3.397	L-Aspartic Filter Gritridge		-4	2.	Ruhadlan		723139	2	Rebrocking
3.397	Protective Gear		<u> </u>	2	Rubay Werry		77V 3-139	7	Rehandliveny
3-397	Hydroulic Filter Gertridge		l	3	Rechardkely	*	TN3139	7	Robert Kren,
3-397	0,1	0098	·		Pekalbery	8	TN 3-139		Pula Chery
3-397	ZorballIpurolink		v	1	Ruladkreny		713.139		Palyedleeny
3397	MPP Contamusted Zorbill		1		Rabras Kreny	13	TN3139		Rediciplione,
3497	Protective Gear			- 5	Relia Strang		TN 1397	2	Fedler Stierry
3-497	Lab Solvents	Fuozi Fous		<del></del>	Rubadhan		Try 139	,	Polinthan,
3-4-97	Hydrauko Flyic	P 005/0006		<del></del>	Richard Kolning		TN 3/397	,	Rebuilding
		DOLK 1	-	8	Rahad kilning		7N31397		
3-697	Hybraula Aust		- -	<del></del>  -			51791 TN 305	-	Endrad Kieny
3697	Caystic Ringe Water	Dong	- -	10	Refract francy		TN 1397	_	Rehardherry DA
3-6-97	Drum Riuse Water		4-		Reday Councy		TNS 1397		Ped vallaling
316.97	Used Oil	D098	-[	3	Ruhasilveny		T3-1397		Pedra Stationy
· 2-1 p,7	Lutan tim Com in	_	$\mathbb{N}$	2	R.h. Men	1 :1	TK-138-	1 1	R.M. Mark

# Hazardous Waste . . rage Inventory

Location\_

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	Date,	Waste Description	EPA ID (a)	Licuid	Quantity	Signature		Date Removed & Disposition	61gnatur <b>e</b>
B	36-17 3-697	L-Aspartic Accol Maleic Anhydrile	<u> </u>	-	5	Pakadberry Rahabberry	-	7N 3/347 TN 3/347	Rehardkeing Pohyal kiens
, _	3.697	Outdated consof Paint	D001 D005,006	<i>V</i>	1	Fechalkery	* **	313-97	Reharliganing
	3-11-97	Hydraulic Hull Filter Gettele		- V	4	Redontaining Pulastology.	1000	73/397 7N 3-1397	Reharlkeny
	3-1197 3-1197	Protective Geor L'Aspertic Filter Gartras			2	Richardony Richardony		3-1397 7N 3-1397	Pulanthoung Buhand Kieny
	3-12-97	· Duralink Salt Filter Modeine Duralink Worler Filter		- 0	2	Ruhandhany	**	31347 TN31347	Rehaltoen
	312-97	Hydrogen Perosade	0001	1,	1	Reday kenn	11 %	7031397 Emple 33097	Ruhard Krevin
	3-13-97	Lab Crushed Gloss Hydraulic Fluid	Doos Daig Dock		2	Ruhad beny	<b>}</b> ∞∞•{≈	TN 5.197	Rehardbony Fehrolean
,	3-14-97 3-14-97	Hydraulic Flair Maleic Anhydrule	0005,0006 0018 U147	V _ v	1	Ruhad Kany	**************************************	TN5.197 TN5197	Recharlegeny Recharlegeny
	3-1797	Protective Gear Protective Gear		- V	4	Rehalkeing Ruhalkeing	******	TN5.197 TN5.197	Rebulkery
	3-2097	Usel 011	D098		3.	Ruhallany	100	TN 5147	Rebudkery Rohand 16eny
-	3-2097	L-Aspartic Cartridge		2 2	2	Puchas Grany		TN 5197	Relad Geny
-	3-2097 3-20-97		DU22 F007 (	-		Ryladloeny	-	TN 5147	Rebarkeny
-	3-21-97 3-21-97	Hydraulic Fluid Gitriche	PUS: PUB V	-	3	Pulasticing Perhasticing		TNS197	Rechardkany Rebardkary

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Loca	t l	lon
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Date Added	Waste Description	EPA	L15-334	Quantity	<b>6</b> lgnatura		Date Removed & D	Isposition	61gnature
3-3197	Lab Glass			v 8	Rulya O/Gany		TN 5-197		Reductions
3-31-97	L-Aspartic Acid		-	4	Rubrallishing	17	Tr5-197		Palaselken
4197	Hydraulie Fluid	D005,0006	1	1	Ruhan Okoling	1	TN 5-197		Ruhard Geny
4-297	Protective Gear			VII	Redard Kening		TN5.197		Ruhard Geny
4-2-97	Maleie AnhyDrile	V147	-	1	Ruland Kreing	1	TN 5197		Rubyulkiany
4-3.97	L-AsparticFilterCartrolie			1	Ruhanlforning		TW5-197		RicharlKoeng
4-3-97	Hydraulic Fluid	0005,0006		3	Rubraul tiening	1	7~5147		Rubyl Keny
4-3.97	· Useo oil	0098	1		Rultvering	1	TV5197	-	Ruhandkeny
			-	-	Rubantholny	;	TW5-197		
4-7-97	Used Oil	D098 D005,0006	-	8 .	Ruhan Choling	+	TN5147		Rehard Koeny
4-897	Hydraulic Fland	Dois	-	1/8		╁╬	TW5197		Ruhad Cery
4-897	Hydraule Flud Gartridge		- 4	1/2	Petralkoeny		TW-10-	<del> </del>	
4-897	· Pura lak Flow Sweepings		- -		Perhant towning		TN5197 TW	<del> </del>	Rebudkery
4.897	Maleic Anhyorise	<u> </u>		1	Rulantonia		TW 5:197	- <b> </b>	Roberton
4-9-97	Hydroulis. Fluid Gatalge		_ 4	12	Rehad kieny	١	TN 5197		Rubalkery
4-9-97	L'Asportichiliter Gartinge			1	Rubralkolny	*	TW5-1-97	-	Rubarl Koeny
4-9-97	Hydrante Fluid	0 005, 000 b D.O.K	4	10	Richard Wenny	*	Tr\$197		Perhantberry
4-11-97	05-138 KOH Resulve Heal	Dong	_ 6	1	Rhadlaeny	×	TN 47597		Redandlary
4-11-97	05-138 PCF	F00 3	4_	6	Ruhand kieny		TN4597	<u> </u>	Raharl Couny
4-1197	PCE and Alumina	FOUS !	4	1	Ruhandlaines		1147597	<u> </u>	Rubal Bry
441.97	m-Dichlorobenzene	!	∠ _	20	Rochad Knery		7~41597		Rechard levering
4-11-97	PCE/MPP	F003	4_		Palasliveria		TN41597		Richard Kueny
47197	MPPIPCE	0039	4	14	Rulendlaening		7W41597		Rudadkeny
4-11-97	Use0011	D098	4	3	Rula Moerry		TN-44597		Puller Means

# <u> Mazardous Waste</u> . rage Inventory

Location

					-			
Date,	Naste Description	EPA ID ≬(∎	115.334	Quantit	6 ignature		Date Removed & Disposition	61gnature
4-1197	05-138 01	D098	V	2	Rechard to sney		TW 47597	Richarltoen
4-11-97	05-138 FilterCartridue			u I	Pyhankieny	1	TN47597	Richard Genn
4-11-97	3-Ring Chlomether		$\nu$	4	Pulran Kvery	8	TN41597	Ruland Geny
41197	05-124 Alumina Gke			4	Luhaskery		TN 4-1597	Rebrand Grenny
4-11-97	05-138 Hi Vac Material		V	2	Ruhaul Ganey	**	TN 41597	Ruhaif Wen
41197	05-138 3 Ring Ether			12	Ruharlasy		TN41597	Ruhanl keny
4-1197	Recovered MPP		v	9	Fullaylieny		TN41597	Ry hand Ken
4-1197	*05-138 3 Ring Chloroether		4	5	Rakastlaeny		TN41597	Ruchand Gery
4-11-97	05-138 Filter ake			1	Reharlkering		Thurs	Ruharlkien
4-15-97	Mydrante Fly D.	0005,0016	V	4.	Ruhanlkenia	*	5-1-67	Ruharlberg
41597	Hydraube Fluid Filter Gitigo		1	5	Rullalying	*	7N5147	Rukalkan
4-1897	Hydroulic Fluid	0005,0006 0018	17	3	Ruharltoering	*	7~5.197	P. Charlkony
4-1897	Maleic Anhydride	ULYT		1	Ruhan Koeny	×	TPV 5197	Ruhanlkery
4-1897	Protectivelear	<del></del>	L	2	Rufrand Koen	***	TW5.167	Ruharlkiering
4-1897	Hydraulic Flyid	P005, P006	1	3	Rhill Farmy	*	TN5197	Ruhadken
4-22-97	Lab Solvents	DUDDIFOUS		1	Ruhandlevenn	*	51.97	Ruhardkeny
4-22-97	Hydraulic Fluid	DUS, 0006	V	6	Ruhalkeling		TN 5197	Ruhvel Genza
4-2297	L- Aspartic Centridge		L	2	Ruhad loon			Richard Kony
4.2297	Protective Gen			1	Rubril Geny		TN5147	Rebent Koliny
4-2297	thy Drawlic Fluid artruge			2	Ruhand Coency		TN5197	Rechardlesung
4-2597	Hydraulic Fluid	DWS1D006 Doig	V		Richard Kolning			Rubarl Kery
4.25.97	Hydroulic Fluid Gartrulye		V	3	Rahaflienig R. A. Oko			Ruhand Forming
	H. O. 1. []	DOUSIDOUG	7	2	R. A. Oko		TNS197	P. Con Chon

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Date Added	Naste Description	EPA	501:0	Quantity	6 i gnatura		Data Removed & Disposition	Signature
4-2497	My draulic Fluid Contruge		L	3	Ruhaltein		5-1-57 114)	Ruhaylkay
43997	Lab Glass Crushed		ī	1	Inhart ten		Emeile St697	Redud toening
4-29-97	L-Aspartic Cartridge		L	1	Pulyenlleen	*	Tw 197	Reday Grane
4-2997	Protective Gear		v	2	Rubalkon		TK-197	Ruhard Geny
4-3097	Chlorosulfonyl Isocyanate	000Bi, 0003	V	4	Pulsar kieny.	8	TN 5197	Redraidkeny
4-30-97	TBAA		V -		Ruhalkan		TN5197	Petral Krany
4-30-97	OS-138 Tonk Cleanout	Pouz.	7	9	Rehard Keny			
4-30-97	· Therminal Tank Cleonait	21007,0018	$\nu$	7	Ruhaslkenig	3		
5-6.97	Hydranlic Fluid Contrulie		V	2	Rulandkery			
5-697	L-Aspartic FilterControloge		U	2.	Redarkeny			1
5-6-97	Maleic Anhydride	<i>U</i> 147	ا	2	Rularlkony	<u> </u>		
5.697	Lab Solvent	PUZZ . (7007)	υ		Rachard Keny	motion to separation		
5-797	Hydraulie Fly D	Paus, paub, Paig		8	Ruhaskveny	***		
5-4-97	Hydraulie Fluid	0018 0005 0006		2	Ruhalkeria			
5-9-97	Hydraul c Flux Contrage		V	1	Ruhalkery			
5-9-47	L. Aspartic Cartriage		V	1	Pelrad Krany	3		
5-9-97	Zorball / Thermuno 166	D018	1	1	Rubalkons	***		
5-1397	LabMaterial		<u> </u>		Ruharlkaning			
5-1397	Aemsol Gans	Pool	1	3	Raharl Geney			
.51397	05-138171ter Cake		14		Ruharl Kolney			
51397	MPP wash water	_ v	44		Rehard Koling			
5-1397	Regular Batteries		1/		Rubyal trany			
C-111-87	Pil C		14	1	P. D. Okio		1	

CAUSTIC SECONDING TO CHARD YELL

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. Date Added	Waste Description	EPA	1,6334	Quantit	Signature		Date Re-	aved & Ni	annal tion	61 grature
5-16-97 5-16-97 5-19-97 5-20-97	thy draulie Flu & L. Asportic Cantrilia	DOUS PAY DOI K		4 1 3	Ruhanlberry Rehanlberry Rehanlberry Rehanlberry	The state of the s		oved & DI	sposition	61gnature
						displacement with the transfer of the forest or from the forest				
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Date Added	Naste Description	ID ( a	116.33	S Quantit	Signature	T	Data Removed & Disposition	61gnature
4-18-96	Caustic Rinse Water	0002	V	2	Ruhand Kveny		TN 5-896	Enhand Kom
4-19-96	Hydraulic Flu. 2 Cantrida		_ _	41	Ruharlkoeny		TNS 8 96	Rubany CKeny
4-19-96	·	D005,0006			Ruhardkoeng		TN5896	Paha- Ckeny
4-22-96	0,1	D09810008	11	_	Ruhand Kreny		TN 5-896	Ridar Rang
4-2296	PNPT/NMP		- -	<u> </u>	Ruhanlkoering	اً.	TN5 8 96	Richard Keny
4-2296	Grease		_ _ .	<u>c</u>	Richarlkolny	.	TN5.8.96	Ruhard Kveny
4-22-961	CLS Cleaning Solution		14	Ч	Ruhandtolie		TN5896	Rucharoliceny
4-22.96	Chloro 3 Ring Phenol Quench	5000	<u>v</u>	6	Ruhantoeny		TN 8 46	Reharl Keny
4-24.96	Maleic Anhydrick	<u> </u>		12	Rahard Choeney		TN 5.896	Raha elkany
4-24-96	Hydraulic Fluid	P005, D006 DG3 9	V	8.	Rahadtolny		TN 5-896	Refrance lians
4-24-96	Drum Ringe Water		U	6	Rula Okolny		TN5 696	Richard Weng
4-24-96	· Caustic Rinse Water	DOUR	V	4	Rechard Kolny		TN 5.896	Richard Gen
4-24-96	Hydraulic Fluid Getribue			44	Ruhanltoenia	***	TN 5.8.76	Repark Keeny
4-26-96	Lab Gloss		1	1'	Ruharl Kelney	*	Tw5.896	Ruharligener
.4.30.96	Duralink Water Filter	-	(	- 1	Rubarl Francy	***	TN5-896	Ruhanstormy
52.96	05-124 Alumina Cake	<b>—</b>	L L	1	Ruland Frency		TN5 896	Ruha Cherry
5-2-96	L-Aspartic Filter Gustridge		4	<u> </u>	Ruland tolony	**	TN 5-5 96	Richardhen
5-2-96	Constantinated Protective Gear		L	2	Rulad tolony		TN5896	Ruhandheeny
5-2-96	Hydraulic Fluid Gentridge		<u> </u>	5	Rubard Kveny		TW5.896	Kahan & Koong
5-3-96	Protective Gear		<u>_</u>	1	Rulandtione		1W5-896	Ruhard Koe ng
5-346	Hydraulic Flas Cartridge	<u> </u>	<u> </u>	2	Rul Streny		TWG 8 96	Patra Chang
5-6-96	Polysuccinimide	<u> </u>	1	4	Rehard Keny	ij	TN5:896	Ruhardhoras
56-96	Acetone	Pud/Eggs	رايا_	5	Rehadtoein		TN 5.846	California Mary
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	5696	Toluene	D 001/F005	-   ·		2	Rehardkoury		TN5596		Ruchard George
	5696	MUN 70600 Filtrate Wash	pሙን	_   <u>v</u>		26	Ry hand Keny	_[	TN 5896		Cechant Koung
v	5696	Sontowar Mother Liquor	2001) FOOS	<u> </u>		2	Raharalbong		7N 5:896		Rehard/Geny
- (	5696	Acetic Acid	0003	$\underline{ Y }$		_ 5	R. hortkerry		TN6596		Rulandko
1	5-646	Scrubber Solution	0002	V		12	Richarikoen	4,	Tr. 596	·	Ruhand Kisney
-	5-7-96	Lab Solvenis	Dool, Do 33. FOUR, FODS	7		1	Pohor Keeny	7	7N 5196	<del></del>	Rehardkeny
	5-796	Hydronic Fluil	Deus, 0006 Dule	V	-	3	Ruhandtoeny	- %	TN 5-8 96		P. Can Ma
	5.796	· L-Pispartic Filter Gartride			U	1	Richardberry		7V5696		Religibleory, Relia Mieny
	5896	Sodium Bromide/Sodium Sufite			ı	2	Rechoulkering	- :	TN 6-5-96		P. C. OKa
	5-14-96	01	0008.0039 0048	V		) .	Rehalkery	-  -	TN 596		Rela Cka
	5-15-96	Hydraut & Flance Q.	DOUS DIVE	; ^	7	2	Re hand there	7	TN6596	-	Rahad Keny
	5-1546	· Lassolvent	Decl, 0032 FUO 3. FOOS	V	-	1	Rubin Cherry		<u>e 256</u>		Rubo Sikara
	5-1596	Maleic Anhydrile.	V147		1	7	Reharlien		6.236	-	Fully Meny
	5.1596	Protectic Ger			c.	1	Pahand tour		6546 Th)		Rubertkeny
	.5-15-96	Hydraule Hurlentryles			۷	3	Ruhand barry	*	65-96 TN		Richartkean
Ì_	5-1596	Crushel Glass				?	RehardKolning		Emelle 6.696		RuberChange
	5-16-96	Hydraulic Fluid	0005,000 lo 0018	v		4	Ruhard L. Koenig		TA'596		Pullagelfreing
	5-1796	Hydraule Flyel Cartridge			ı		Rulynekieny		TN 65.46	-	Re harliner
	5-1796	hab Glass Jars			<i>-</i>	12	Rehnelberry		7r, 6596		Patrostrong
	5-1796	Hydraulie Fluid.	0005.0006,			3	Ruha Q/6 Prig		7n. 596		Park Carry
	5-22-96	L Aspartic Controlle				رگر	Richardiseries		Th. 590		Rachiel Krein
	396	Hydrayle Fly Leartrige		ı	1	3	Pahoy 1 Kony		6:46		Recher Please
	5.77.96	Hubraylic Flyick	0005.0006	7		i	Richer Okeneny	~	TN 6596		Probablicano
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THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.

## MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

Ξ 5-1646RIC EMERGENCY RESPONSE U.S. COAST GUARD 1-800-424-8802 CHEM TREC 1-800-424-9300

DEPT OF NATURAL RESOURCES

# HAZARDOUS WASTE MANIFEST

UNIFORM HAZARDOUS	1. Generator's US EPA ID No.	Manifest 2		OMB No 2050-0039. Expires 9-3
WASTE MANIFEST	MODOOH9 51411	Document No	. !	rmation in the shaded areas
. Generator's Name and Mailing Address		LA.		quired by State law.
Monsantoco.		_	CALLEY	0.09
1700 South Second St				
Generator's Phone ( 314") 622-140	00 C/ORICH Kren 6. US EPA ID Numb	· i		
. Fransporter 1 Company Name	6. US EPA ID Numt		-	महामारा प्रमान
Allwarth of Tenne Transporter 2 Company Name				65 374-220a
Transporter & Company Name	8. US EPA ID Numb	per .	MQ Team Dr. C.	
Designated Facility Name and Site Address	10. US EPA ID Num	ther the	Canada Phone	
Allworth of Tennes				
101 South Pork Ave.	-		Pacify's Phane	
Mount Pleasent: Th	1.38474 TMD98	1920119	(615)370	1 Pro
. US DOT Description (Including Proper Shipping N	iame, Hazard Class, and ID Number)	12. Containers	13.	14.
HOME		VI. I Number i Ty	Total pe Quantity	Unit Work No.
Waste, Flammoble	Liquid, NOS (Tolue	ene) 1.	44	WASTEGODE
X 3, UN1993, PGII	•	00,20	4 700	D STATE
,	0 1 1 1 0		M = 7.9.5	NONE
Woste rurrosve Liqui	SINIOIS. (Sodium Hydro)	x.Sel,		20.02
X 8,UN 1760, PEIII	<u>~</u> .	0060	M 2,992	P
	0 (0)		9317114	TA MATE CORE
V WOSTE, Corrosive Liqu	u. 2, N.O.S. (Potassium t	ydroxide)		10-0-0
A VIUNITEGE FETT		006 D	4 3850	I REPORT
Waste, Corrosive Ligi	uil, NOS (Acctic Acic), 8	Un/17/ 0		Service Service
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Additional Descriptions for Materials   Story Appear		1 A P V	11005	The state of the s
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#### Hazardous Reactions

#### Reactivities and Incompatibilities:

- Inadvertent mixing of formaldehyde and hydrogen chloride could result in generation of bis(chloromethyl)ether, a potent human carcinogen. \*\*PEER REVIEWED\*\* [National Research Council. Prudent Practices for Handling Hazardous Chemicals in Laboratories. Washington, DC: National Academy Press, 1981. 30
- 2. CESIUM ACETYLENE CARBIDE BURNS IN HYDROGEN CHLORIDE GAS. CESIUM CARBIDE IGNITES IN CONTACT WITH HYDROCHLORIC ACID UNLESS ACID IS DILUTE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-50
- 3. LITHIUM SILICIDE IN CONTACT WITH HYDROGEN CHLORIDE BECOMES INCANDESCENT. WHEN DILUTE HYDROCHLORIC ACID IS USED, GAS SPONTANEOUSLY FLAMMABLE IN AIR IS EVOLVED. MAGNESIUM BORIDE ... TREATED WITH CONCN HYDROCHLORIC ACID PRODUCES SPONTANEOUSLY FLAMMABLE GAS. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-120
- 4. RUBIDIUM ACETYLENE CARBIDE BURNS WITH SLIGHTLY WARM HYDROCHLORIC ACID OR WITH MOLTEN SULFUR. RUBIDIUM CARBIDE IGNITES IN CONTACT WITH HYDROCHLORIC ACID UNLESS ACID IS DILUTE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-180
- 5. URANIUM PHOSPHIDE REACTS WITH HYDROCHLORIC ACID TO RELEASE SPONTANEOUSLY FLAMMABLE PHOSPHINE. \*\*PEER REVIEWED\*\*
  [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association. 1986...D. 491M-221
- Fire Protection Association, 1986.,p. 491M-221
  6. CALCIUM CARBIDE REACTS WITH HYDROGEN CHLORIDE GAS WITH INCANDESCENCE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-43
- 1986.,p. 491M-43
  7. INCR IN TEMP & PRESSURE OCCURRED WHEN EACH OF FOLLOWING CHEM WAS MIXED WITH HYDROCHLORIC ACID IN A CLOSED CONTAINER: ACETIC ANHYDRIDE, 2-AMINOETHANOL, AMMONIUM HYDROXIDE, CHLOROSULFONIC ACID, ETHYLENE DIAMINE, ETHYLENEIMINE, OLEUM, PROPIOLACTONE (BETA-), SODIUM HYDROXIDE, SULFURIC ACID, & VINYL ACETATE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p.
- 8. CALCIUM PHOSPHIDE & HYDROCHLORIC ACID UNDERGO VERY ENERGETIC REACTION. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986...p. 491M-46
- Association, 1986.,p. 491M-46

  9. Accidental addition of 6,500 liters of concn hydrochloric acid to a bulk sulfuric acid storage tank released sufficient hydrogen chloride by dehydration to cause the tank to explode violently. Complete dehydration of hydrochloric acid solution releases some 250 volumes of gas. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 3rd ed. Boston, MA: Butterworths, 1985. 903
- 10. ABSORPTION OF GASEOUS HYDROGEN CHLORIDE ON MERCURIC SULFATE BECOMES VIOLENT @ 125 DEG C. SODIUM REACTS VERY VIGOROUSLY WITH GASEOUS HYDROGEN CHLORIDE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-128
- 11. REACTION OF SILVER PERCHLORATE WITH CARBON TETRACHLORIDE IN PRESENCE OF SMALL AMT OF HYDROCHLORIC ACID PRODUCES TRICHLOROMETHYL PERCHLORATE, WHICH DETONATES @ 40 DEG C. \*\*PEER REVIEWED\*\* (National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-186
- 12. ... CONTACT WITH COMMON METALS PRODUCES HYDROGEN WHICH MAY FORM EXPLOSIVE MIXT WITH AIR. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, Ma. National Fire Protection Association, 1986.,p. 491M-87
- 13. Hydroxides, amines, alkalis, copper, brass, zinc [Note: Hydrochloric acid is highly corrosive to most metals].

  \*\*QC REVIEWED\*\* [NIOSH. NIOSH Pocket Guide to Chemical Hazards. DHHS (NIOSH) Publication No. 94-116. Washington, D.C.: U.S. Government Printing Office, June 1994. 166

#### Reactivities and Incompatibilities:

- 1. DANGEROUS; WILL REACT WITH WATER OR STEAM TO PRODUCE CAUSTIC SOLN & HEAT. \*\*PEER REVIEWED\*\* [Sax, N.I. Dangerous Properties of Industrial Materials. 6th ed. New York, NY: Van Nostrand Reinhold, 1984. 1047
- 2. Acids, water, metals (when wet), halogenated hydrocarbons, maleic anhydride [Note: Heat is generated if KOH comes in contact with H20 & CO2 from the air]. \*\*QC REVIEWED\*\* [NIOSH. NIOSH Pocket Guide to Chemical Hazards. DHHS (NIOSH) Publication No. 94-116. Washington, D.C.: U.S. Government Printing Office, June 1994. 262

#### Reactivities and Incompatibilities:

- 1. Incompatible with alkali metals, caustics, and amines at greater than 150 deg F. \*\*PEER REVIEWED\*\* [Sittig M; Handbook of Toxic and Hazardous Chemicals p.415 (1981)
- 2. THE PRESENCE OF A RESIDUE OF WEAK SODIUM HYDROXIDE SOLN IN A PRESSURE VESSEL CAUSED MALEIC ANHYDRIDE TO DECOMPOSE IN A RUNAWAY EXPLOSIVE REACTION. ... ALKALI AND OTHER ALKALINE EARTH CMPD SUCH AS POTASSIUM, LITHIUM, CALCIUM, BARIUM AND MAGNESIUM CMPD, AS WELL AS AMINES AND OTHER NITROGEN CMPD WILL CAUSE EXPLOSIVE DECOMP OF MALEIC ANHYDRIDE. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-195
- 3. Strong oxidizers, water, alkalis, metals, caustics & amines above 150 degrees F. [Note: Reacts slowly with water (hydrolyzes) to form maleic acid]. \*\*QC REVIEWED\*\* [NIOSH. NIOSH Pocket Guide to Chemical Hazards. DHHS (NIOSH) Publication No. 94-116. Washington, D.C.: U.S. Government Printing Office, June 1994. 188

#### Decomposition:

1. Maleic anhydride decomposes exothermically, evolving carbon dioxide in the presence of dimethylamine, triethylamine, pyridine, or quinoline at temperatures above 150 deg C. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 462

#### Reactivities and Incompatibilities:

- 1. CONTACT WITH SOME METALS CAN GENERATE HYDROGEN GAS. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 49-83
- 2. GENERATES CONSIDERABLE HEAT WHEN ... SOLN IS MIXED WITH ACID. \*\*PEER REVIEWED\*\* [The Merck Index. 10th ed. Rahway, New Jersey: Merck Co., Inc., 1983. 1236
- 3. CRUDE HYDROQUINONE WAS PUMPED INTO SODIUM HYDROXIDE STORAGE TANK BY MISTAKE. THE HYDROQUINONE LIQUOR AT 85 DEG C DECOMP RAPIDLY IN THE PRESENCE OF THE SODIUM HYDROXIDE RESULTING IN OVERFLOW OF TANK & EVOLUTION OF CONSIDERABLE AMOUNT OF HEAT. \*\*PEER REVIEWED\*\* [National Fire Protection Association. Fire Protection Guide on Hazardous Materials. 9th ed. Boston, MA: National Fire Protection Association, 1986.,p. 491M-195
- 4. Much heat is evolved when the solid material is dissolved in water. Therefore, cold water and caution must be used for this process. \*\*PEER REVIEWED\*\* [International Labour Office. Encyclopedia of Occupational Health and Safety. Vols. I&II. Geneva, Switzerland: International Labour Office, 1983. 116
- 5. Caustic solutions generate heat when further diluted with water. With concentrations of 40% or greater, the heat generated can raise the temperature above the boiling point, resulting in sporadic, dangerous eruptions of the solution. \*\*PEER REVIEWED\*\* [Kirk-Othmer Encyclopedia of Chemical Technology. 3rd ed., Volumes 1-26. New York, NY: John Wiley and Sons, 1978-1984.,p. 1:848
- 6. With aluminum, arsenic trioxide, sodium, and arsenate: An aluminum ladder was used (instead of the usual wooden one) to gain access to a tank containing the alkaline arsenical mixture. Hydrogen produced by alkaline reaction on the ladder generated arsine, which poisoned the three workers involved. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 207
- 7. With bromine: A bucket containing 25% sodium hydroxide solution was used to catch and neutralize bromine dripping from a leak. Lack of stirring allowed a layer of unreacted bromine to form below the alkali. Many hours later, a violent eruption occurred when the layers were disturbed during disposal operations. Continuous stirring is essential to prevent stratification of slowly reacting, mutually insoluble, liquids. \*\*PEER REVIEWED\*\*
  [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 267
- 8. With octanol and diborane: Addition of sodium hydroxide solution during work-up of a reaction mixture of oxime and diborane in tetrahydrofuran is very exothermic, a mild explosion being noted on one occasion. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 632
- 9. With 4-methyl-2-nitrophenol, sodium carbonate, and methanol: Failure to agitate a large-scale mixture of the reagents caused an eruption due to exothermic action when mixing occurred. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 632
- 10. With zinc: Accidental contamination of a metal scoop with flake sodium hydroxide, prior to its use with zinc dust, caused ignition of the latter. A stiff paste prepared from

- zinc dust and 10% sodium hydroxide solution attains a temperature above 100 deg C after exposure to air for 15 min. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 1164
- 11. With zinc and 4-methyl-2-nitrophenol: In preparation of 2,2-dimethoxyazoxybenzene, solvent ethanol was distilled out of the mixture of o-nitroanisole, zinc and sodium hydroxide, before reaction was complete. The exothermic reaction continued unmoderated, and finally exploded.

  \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979.
- 12. With 2,2,2-trichloroethanol: Accidental contact of 50% sodium hydroxide solution with residual trichloroethanol in a pump caused an explosion. This was confirmed in laboratory experiments. Chlorohydroxyacetylene, the isomeric chloroketene or chlorooxirene, may have been formed by elimination of hydrogen chloride. \*\*PEER REVIEWED\*\* [Bretherick, L. Handbook of Reactive Chemical Hazards. 2nd ed. Boston MA: Butterworths, 1979. 361
- 13. Water; acids; flammable liquids, organic halogens; metals such as aluminum, tin, & zinc; nitromethane [Note: Corrosive to metals]. \*\*QC REVIEWED\*\* [NIOSH. NIOSH Pocket Guide to Chemical Hazards. DHHS (NIOSH) Publication No. 94-116. Washington, D.C.: U.S. Government Printing Office, June 1994. 284

## MONSANTO CO. - J. F. QUEENY PLANT CONTAINER STORAGE LOT WEEKLY INSPECTION REPORT

STARTING DATE: 3/1/96

ENDING DATE: 530-96

DATE/ TIME	LEAK. SPILLI OBSES	5	PROPI FITTII LIDS		PROPE LABRE DATE		SIGNS O DRUMS FLOOR DETERM	-	POST- SHIPMENT DOCK INSPEC.	LIQUID DRUMS D10 MAX.]	PROBLEMS ACTION COMMENTS	CHRCK INCOMPA WASTE OVERPAR		SIGNATURE
14584	Y⇔	No.	Yes	No	Yes	No.	Yes	No.				Yes	No.	
3-11-96		<u>~</u>	1	<u> </u>	1			V		69				Rule then
3-13-96									OK GOAM					R. a. Ok.
3-19-96	1542	V	V		V			V		3				Pahalkang Chustophe & Doran
3-2596	7.5	V	V		V			/		3		1		Rehard Kenny
3-2696	,										Drained rain water after checking for leaks	1		
3-2796									Q/C PM		326-96 Red	11/		Robant Coling
4-1-96		<b>✓</b>	7		V			~		2 2	Drained rain water after checking for leaks	4 Juny		Ruhand Kang
4-8.96		V	V		V			V		30	Checking for leaks			Rahard Karing
4-1096									OK 970AM	JU .	Ruhkan			Kaka Clary
412.96									915 Amok.	<del></del>		<u> </u>		Richard L. Keny
4-15-96		V	7						9.71.9	7				Rula & Berry
4-1696									Olc 3: 3ufm					Ruhan Kreny
4.2246		V	~					l	012 171	2.2	Oracael consumtes a Cles de la			Rhank Kening
4-29-96		7			7			V		23	Prainetrainwater after check for leaks 4.22-96 100pm	19		Kela Okon-
8°00mm 5-696		-				-		<del></del>		41	Prained rainwater at ter chark For leaks Robanillany 4296	100		Rahaslkeny
5-696 92404 5-8-46		-	~		V			~	015	93	In term investigations 4346	(Tapy		Ruhandloenia
73204		<del></del>	V	-					OK		0.0000000000000000000000000000000000000			Ruhand Kang Ruhand Kang Ruhand Kang Ruhand Kang
5-13-96 5-26-96		V			· '			~			prained rainvator after checking for leaks Tupm	513.9%		Rechard Keeney
2769G		V	·/		V			V		28	<i>V</i>			Ruhan Manna

Rev. 11/94 C:\Wpdec\RLK\Drum.fmt

soP No. 2321.1B - Appe	Monsonta-Quee	62 of 105
Activity #:	Monsanto-Quee St. Louis, Mo	Page of
. 0. 2 0	DRIVE-BY WORKSHEET	5/20/97
1. Arrival time: 29:30	<del></del>	•
2. Drive-by conducted from	public right-of-way? TYES	в 🗆 но
3. Determine the direction of the layout and orien	tation (as can be viewed from	<u> </u>
	haz u	storage pad
N		Storage pad (could not be seen from public right-of-
	•	
		•
· · · · · · · · · · · · · · · · · · ·		/
4. Obvious concerns visibl (Note area(s) of c	e from public right-of-way? cncern)	□ YES □ NO
Containers	□ Tanks	O Processing Equipment
☐ Loading Areas	☐ Unloading Areas	☐ Security Devices
Open Drums	☐ Stressed Vegetation	□ Unusual Staining
☐ Unusual Odors	Obvious Discharges	<pre>Improper Disposal</pre>
<pre>Safety Concerns</pre>	☐ Other Concerns	
5. Notes/Observations:		
		·
·		
	/	
5. Photo's Taken?	,	s; on/direction on sketch)
DOCUMENTATION: HOW are	e the facts known? WEO saiding did it happen? and WHAT	what? WHEN did it happen?

	£2 ~#
Activity #:	63 of
CITT FUTOV ALM THROTONO	Paga c:
SITE ENTRY AND INERIEFING WORK  1. Initial entry procedures:	SHEET.
☑ Used main entrance ☐ Entered during	normal operating hours
2. Facility Representative(s): Cabert Clever	Title: JFQ45 Slights
Kich Koemany Koer	nig Title: Envi Johnson
	Title:
. Does the facility representative(s) have intimate knowledgeneration and management practices?   YES NO	edge of all agreement at the
generation and management practices?   [YES   NO (How was this verified?)	and any and any and any
·	
. How long has facility representative worked in their pos	sition? /
Were unreasonable or excessive delays encountered (>15)	30min total
witing for Technician to arrive who was out in plant	Min)
ugen samples.	repairing to take industrial
Introduction:	
Presented credentials	•
Verified presence at correct facility (checked addr	ress/I.D. #)
Explained authority to conduct inspection (Section	3007 of RCRA)
Explained the purpose, scope, and order of the insp	ection
Explained documentation process through the	WOTKShoets should
Explained EPA's need to collect and the facilities accurate information and provided copies of Section facility	responsibility to provide
racificy	1001 and 1002 U.S.C. to
Explained facility's right to claim CBI and provided of CBI form for signatures	d pages 1 and 2
I Identified personal safety considerations:	••
Explained that findings and about	
and that the final finding	on your 98 may differ
Was full access granted? ZYES By who? (name):	•
Obtain name of person denying access, time of note limitations placed on access:	denial, reason for denial, o

HOW are the facts known? HOW long did it happen?

WHO said what? WHEN did it happen?



## MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM LARGE QUANTITY GENERATOR

L
---

INSPECTION RECORD AND CHECKLIST

OR FACILITIES THAT GENERAL	TE/ACCUMULATE > 1000 Kg (2	.200 lbs. or a	oproximately, 5 dri	ıms)	LOG-INSP
Monsanto - Quanto - Q	Jeeny	DATE	0/97	EPA I.D. NUMBEI	۹
See report		RR NO.		MO I.D. NUMBER	
CITY	NUMBER OF EMPLOYEES	YEARS AT SI	TE	TELEPHONE NUI	MBER
FACILITY REPRESENTATIVE(S), TITLE(S)					
DESCRIPTION OF THE FACILITY	'S OPERATIONS AND PLANT.				
:					
				-	
				<del> </del>	
					·
WASTE STREAMS					
DESCRIBE EACH W INCLUDING THE	ASTE STREAM GENERATED PRODUCTION PROCESS		GENERATION RATE	EPA ID NUMBER	DISPOSITION
		-	11412	NOMBER	
1.					
2.					
3.					
4.					
<b>5</b> .					
CHECK ALL THAT APPLY (Speci	fy if possible)				
NPDES Permit	Lead/Acid Batteries	□ ротw			
- applie lalik	H.W. Burner/Blender/Marketer Precious Metal Reclamation	Solid W	aste Landfill		
O 780-0854 (9-91)	Precious Metal Reclamation	vvaste v	/ater Pretreatment		PAGE 1 OF 7

A. GENERAL	
1. Registered asia HW: Generator: Section 260.380 1: (1) RSMo and 1	COMMENTS
CSR 25-5.262 (2)(A):  2. Facility determines it wants is hazardous 10 CSR 25-5.262(1 incorporating 40 CFR 2624.1	∑ } -}
Utilizes a licensed hazardous waste transporter—Section 260.380.     (5) RSMo	1
4. Utilizes authorized HW-TSD or RR facility - Section 260.380.1(7) RSM	
5. Facility does not operate as a TSD Section 260.390(1) RSMo	
PART 1: WALK-THROU	JGH INSPECTION
B. PRETRANSPORT, CONTAINERIZATION & STORAGE	
1. Storage does not exceed 90 days or 180/270 days if facility generated < 1000 Kg/month -10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)	COMMENTS
2. Containers in good condition 10-CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171	2 drums slightly dented discussed
3. Waste compatible with container 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	condition drums
4. Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	
5. Containers storing incompatible waste separated or protected from each other by a dike, berm or wait 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265_177(c)	
6. Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262 (2)(C)2.B.(I)	
3ase of containment system is imprevious and free of cracks or gaps CSR 25-5.262 (2)(C)2.B.(III)(a).	
8. Containers protected from contact with accumulated liquids - 10 CSR 05-5.262(2)(C)2.B.(III)(b).	
9 Z Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	
10. Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.B.(III)(d).	
Accumulated liquids removed to prevent overflow of containment - 20 OSR 25-5.262(2)(C)2.B.(III)(e).	
12. ∠ Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)5. referencing - 20 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7.and 8.	
13. Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(1)	
14. Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262(2)(C)1.	
15. Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2)	•
16. Facility inspected and maintained (weekly) - 10 CSR 25-5.262(2)(C)2.A.(II) referencing 40 CFR 265.174	
Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	
18. Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	
19. Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	
	across street from storage pad (Facility has designated storage areas)
Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	handle oil as hazardous waste
C. SATELLITE ACCUMULATION	2.7 - 2
1. Containers keptsclosed. 10: C58: 25-5.262(1): Incorporating 40 CFH 262.34(c)(1)(i): referencing 40 CFH 2653 73(a)	COMMENTS
10 780-0854 (9-91)	

	72-4-1			<del></del>		
2.	OFR 262.34(c)(1)(i) reference	ing 40 CFR 265.171		역	COMMENTS	
3.	Waste compatible with cont 40 CFR 262.34(c)(1)(i) refere	ainer - 10 CSR 25-5.26 encing 40 CFR 265.172	2(1) incorporating		<b>,</b>	
·. :	Quantities accumulated not hazardous wastes) - 40 CFR 262.34(c)(1)	t exceeding 55 gal. (1 10 CSR 25-5.262(1)	quart of acutely- incorporating			
5.	Satellite containers go to s 25-5.262(1) incorporating 40	torage within 3 days of CFR 262.34(c)(2).	filling - 10 CSR			
6.	Container marked identifying 5.262(2)(C)3.	g contents & beginning	date - 10 CSR 25-			
7.	Stored in satellite areas less	than 1 year - 10 CSR 25-	-5.262(2)(C)3.			
D.	PREPAREDNESS AND PRE	VENTION AND EME	RGENCY PROC	! EDURE	S	
1.	Facility operated and maint emergency - 10 CSR 25-5.2 referencing 40 CFR 265.31	ained to minimize the	possibility of an		COMMENTS	
2.	Adequate and proper spill equipment available (fire blan - 10 CSR 25-5.262 (2)(C)2.E.	control, decontamina skets, respirators, SCBA,	ation and safety absorbents, etc.)			
3.	Adequate water supply and fire accorporating 40 CFR 262.34(	re control equipment - 10 (a)(4) referencing 40 CF	CSR 25-5.262(1) R 265.32(c) & (d)			
: 4.	Device in the hazardous was emergency assistance - 40 CFR 262.34(a)(4) reference	te operation area capab	le of summoning	سدو	ayradio	
5	Telephone or two-way radio fire or police department 40 CFR 262.34(a)(4) reference	- 10 CSB 25-5 262(1	summoning local ) incorporating			
6. (	Communication and emerger 10 CSR 25-5.262(1) incorpora CFR 265.33	ncy equipment tested a	nd maintained -			
3	LQG TANKS					
	TANK DESIGNATION	CONTENTS	CAPACI	TY	CONTAINMENT	AGE
1	TANK DESIGNATION	CONTENTS	CAPACI	TY	CONTAINMENT	AGE
1	TANK DESIGNATION	6)				AGE
2.	TANK DESIGNATION	6)	K Sto			AGE
	TANK DESIGNATION	6)				AGE
3.	TANK DESIGNATION	6)				AGE
3.	Spill prevention controls in pla discount couplings - 10 CS	No tan	K Sto			AGE
3. 4. 5.	Spill prevention controls in pla discount couplings - 10 CS 262.34(a)(1) referencing 40 CF Overfill prevention controls in alarms, automatic feed cutoff.	ice and operating e.g. cl iR 25-5.262(1) incorpo iR 265.194(b)(1) in place and operating etc 10 CSR 25-5 262(1)	heck valves, dry rating 40 CFR		je	AGE
3. 4. 5.	Spill prevention controls in pla discount couplings - 10 CS 262.34(a)(1) referencing 40 CF Overfill prevention controls in alarms, automatic feed cutoff, 40 CFR 262.34(a)(1) referencing Sufficient freeboard in uncove CSR 25-5.262(1) incorporation	ice and operating e.g. cl R 25-5.262(1) incorpo R 265.194(b)(1) In place and operating etc 10 CSR 25-5.262(1) 19 40 CFR 265.194(b)(2) ered tanks to prevent operation	heck valves, dry rating 40 CFR e.g. high level ) incorporating		je	AGE
3. 4. 5. 1. C	Spill prevention controls in pla discount couplings - 10 CS 262.34(a)(1) referencing 40 CF Overfill prevention controls in alarms, automatic feed cutoff, 40 CFR 262.34(a)(1) referencing Sufficient freeboard in uncover CSR 25-5.262(1) incorporating 40 CFR 265.194(b)(3)	rice and operating e.g. cl R 25-5.262(1) incorpo R 265.194(b)(1) In place and operating etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) ered tanks to prevent or ing 40 CFR 262.34(a)(	neck valves, dry rating 40 CFR e.g. high level ) incorporating vertopping - 10 1) referencing		je	AGE
3. 4. 5. 1. C	Spill prevention controls in pla discount couplings - 10 CS 262.34(a)(1) referencing 40 CF Overfill prevention controls in alarms, automatic feed cutoff, 40 CFR 262.34(a)(1) referencing Sufficient freeboard in uncover CSR 25-5.262(1) incorporating 40 CFR 265.194(b)(3)  Waste or treatment method continuor incorporating 40 CFR 262.34(a) Incompatible wastes not place	rce and operating e.g. cl R 25-5.262(1) incorpo R 265.194(b)(1) In place and operating etc 10 CSR 25-5.262(1) 19 40 CFR 265.194(b)(2) Pered tanks to prevent or Ing-40 CFR 262.34(a)(1) In patible with tank - 10 C (1) referencing 40 CFR	e.g. high level ) incorporating vertopping - 10 1) referencing CSR 25-5.262(1) 265.194(a)		je	AGE
3. 4. 5. 1. C	Spill prevention controls in pladiscount couplings - 10 CS 262.34(a)(1) referencing 40 CF Overfill prevention controls in alarms, automatic feed cutoff, 40 CFR 262.34(a)(1) referencing Sufficient freeboard in uncover CSR 25-5.262(1) incorporating 40 CFR 265.194(b)(3)  Waste or treatment method continuous incorporating 40 CFR 262.34(a) Incompatible wastes not place incorporating 40 CFR 262.34(a) Incompatible or reactive wastes resignition or reaction - 10 CS	rce and operating e.g. cl R 25-5.262(1) incorpo R 265.194(b)(1) In place and operating etc 10 CSR 25-5.262(1) 19 40 CFR 265.194(b)(2) Pered tanks to prevent or Ing-40 CFR 262.34(a)(1) In place and operating etc 10 CSR 25-5.262(1) Pered tanks to prevent or Ing-40 CFR 262.34(a)(1) In patible with tank - 10 C (1) referencing 40 CFR etc. In same tank - 10 C (1) referencing 40 CFR Indered safe/proteed fir R 25-5.262(1) incorpo-	e.g. high level ) incorporating vertopping - 10 1) referencing CSR 25-5.262(1) 265.194(a) SR 25-5.262(1) 265.199(a)		je	AGE
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	Volatiles with vapor pressure > 75 mm @ 25 C not placed in open tanks 10 CSR 25-5 262(2)(C)2 D (I)
	Wastes and residues removed as hazardolo a rate and lank and equipment decontaminated upon closure 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)
	Secondary containment system constructed of or lined with impervious waste compatible material - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1)
=	Containment system supported by base capable of preventing failure due to settlement. compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2)
	Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5.262(1) accorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(3)
	Containment system sloped or designed to drain and remove liquids = 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (11)(b)
	Containment system capable of containing 100% of the capacity of line largest tank - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)
- '	Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.C. Ferencing 10 CSR 25-5.262(2)(C)2.B. (III)(a)
_ ;	Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(d)
3	Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)
_ 7 5	Tanks are clearly labeled or marked "Hazardous Waste" / 10 CSR 25-262(1) incorporating 40 CFR 262.34(a)(3)
g fi	Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 62.34(a)(1) referencing 40 CFR 265.195(a)
] Ir 2:	nspection log maintained - 10 CSR 25-5.282(1) incorporating 40 CFR 52.34(a)(1) referencing 40 CFR 265.195(c)
51	Cathodic protection systems inspected annually, impressed current ources every two months - 10 CSR 25-5.262(1) incorporating 40 CFR 62.34(a)(1) referencing 40 CFR 265.195(b)
D ei 1(	retailed written assessment by an independent, qualified, professional regineer for tanks installed after July 14, 1986, prepared and on-site-0 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 FR 265.191
10 C	ritten assessment by an independent, qualified, professional engineer repared and on-site for tanks lacking secondary containment - D CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 FR 265.191
Le an fo in	eak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer retanks lacking secondary containment - 10 CSR 25-5.262(1) corporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)
Le	ak/spill response resulted in: waste flow stopped immediately; waste moval; containment and removal of visible releases to the

13-6

PAGE 4 OF 7

## **PART 2: RECORDS INSPECTION**

F. MANIFESTS	
Facility uses manifest system - 260.380.1.(6) RSMo. and 10 CSR 25 5.262(2)(B)	COMMENTS
2. Records maintained for a 3-year period - 10 CSR 25-5.262(1)	
3 Generator's MO & EPA I.D. Numbers - 10 CSR 25-5.262(2)(B)	
4 Z :4anifest document, ID and consecutive shipment numbers - 10 CSR _5-5.262(2)(B)2.A.	
5. Z Generator's name, address and phone number - 10 CSR 25- 5.262(2)(B)2.	
6. Z All transporters names, phone numbers, MO & EPA I.D.#'s, license plate = - 10 CSR 25-5.262(2)(B)2.	
7	
8. Z DOT shipping name, Hazard Class and waste I.D. # (RQ - if required) - 13 CSR 25-5.262(2)(B)2.	
9. 二 Containers, quantity and specific gravity designated - 10 CSR 25- 362(2)(B)2. 、ハ アロレハラミ	
10 tanifest signed and dated - 10 CSR 25-5.262(2)(B)2.	
2ut of state manifests have all required MO information - 10 CSR 3-5.252(2)(B)4.A.	
12. Z Hanifest continuation sheets are not used - 10 CSR 25-5.262(2)(B)1.	
13. Manifest returned within 35 days - or exception report submitted within 45 days - 10 CSR 25-5.262(2)(D)2.C.	
14. Summary Manifest Reports and manifest copies sent to DNR quarterly 3 CSR 25-5.262(2)(D)1.	
G. LAND DISPOSAL RESTRICTIONS	
1. Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	COMMENTS
2. Dilution of waste to meet LDR treatment standards is not occurring - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a)	
2. Land-Ban" notification/certification, sent with manifests and retained en-site for five years - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	
4 Z Notification/certification includes correct EPA Hazardous Waste	
number, corresponding treatment standards, manifest number, and waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	
number, corresponding treatment standards, manifest number, and	,
waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  H. PERSONNEL TRAINING	•
waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  H. PERSONNEL TRAINING  Personnel are trained to respond to emergencies including the use	. COMMENTS + trains
**Maste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  **Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  **H. PERSONNEL TRAINING**  **Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR	COMMENTS training Monsanto, has a computernipros that was made specifically fo
waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  H. PERSONNEL TRAINING  Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR	COMMENTS training Monsanto, has a computer, pro- thay was made specifically fo their facility and includes Court plan training according to Mr. K
waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  H. PERSONNEL TRAINING  Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR	COMMENTS training Monsanto, has a computernipro thay was made specifically for their facility and includes Coit plan training according to Mr. K Employees go thru the computer program and then takes a tes program and then takes a des
**Number. corresponding treatment standards, manifest number, and waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  **Secondary Standards**  **Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  **H. PERSONNEL TRAINING**  **Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).  **Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b)  **Training reviewed annually - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(c)  **Program director trained in hazardous waste management procedures - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing	COMMENTS training Monsanto, has a computer, program that was made specifically for their facility and includes conting plan training according to Mr. K Employees so thru the computer program and then takes a tes at the end. Monsanto also do a mock drill annually
waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)  Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)  H. PERSONNEL TRAINING  Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR	COMMENTS training Monsanto, has a computer, prograthan was made specifically for their facility and includes Carti Plan training according to Mr. K Employees go thru the computer program and then takes a tes at the end. Monsanto also do a mock drill annually

PAGE 5 OF 7

		Using Part B, Training Pkn
6.	Gives job title, job description and name of employee filling each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	COMMENTS
7	Written description of introductory and continuing training that will be given to each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3)	
8.	5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4)	to have a signed statement 131 also
9.	Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)	
I. C	CONTINGENCY PLAN	
<u> </u>	Contingency plan maintained on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	In process of up dating
2. [	Plan submitted to local emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b)	TOVE TO THE NEW Channes
<u></u>	Emergency coordinator on-site or on call - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	in report. Corrently using
	Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) ncorporating 40 CFR 262.34(a)(4) reterencing 40 CFR 265.52(a)	What is in Part 13 Application
5. ]	25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c)	
	Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	
	Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	
8. 5	List emergency equipment including description, location and capabilities - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) eferencing 40 CFR 265.52(e)	
	Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f)	
	ASTE OIL	
1. L	- 10 CSR 25-11.010(1)(D).	waste oil comments led as
2	Listed hazardous waste mixed with waste oil is handled as a hazardous waste - 10 CSR 25-11.010(1)(C)2.	a hazardous maste
3.	Registered as waste oil generator if gen./accum. 220 lb 10 CSR 25-11.010(2)(A)	
4.	Written waste oil contract maintained - 10 CSR 25-11.010(4)(C)	
5.	10 CSR 25-11.010(4)	
	ESOURCE RECOVERY	
1	RR certification for energy recovery or reclamation of waste oil or	COMMENTS
2.	hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.  Facility meets the operating conditions of certification - 10 CSR 25-9.020(3)(E)3.	
3. 🔲		
	25-9.020(3)(E) 1. and 2.	
	Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	
5.	referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-9.020(3)(E)3.	

10-0654 (9-91)

6. R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	COMMENTS
7. R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2.	<del>;</del>
8. R2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3.	
9. R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	
CHECKLIST KEY	
Check the 🗹 if in compliance.	
Circle the if not in compliance and provide comment.	
N/A = Not Applicable	
A shaded item is a serious deviation from the requirements (Class I violation	on)
An unshaded item is a significant deviation from the requirements (Class I	I violation unless conditions warrant Class I)
COMMENTS	
	i
	•
•	
NSPECTOR'S SIGNATURE	
Dedrie Newsone	DATE
O 780-0854 (9-91)	512017

13-9

## PHOTO LOG

and non-hazardous was	PHOTO iner storage pad with drums of hazardous te being stored. Crack on west side of	Monsanto - Queeny St. Louis, MO Crack in hazardous wa	5/20/97 PHOTOste container storage pad
pad shown on left side of D. Newsome	of photo.	D. Newsome	
Monsanto - Queeny St. Louis, MO Crack in hazardous was	5/20/97 PHOTO te container storage pad	Monsanto - Queeny St. Louis, MO Crack in hazardous wa	5/20/97 PHOTOste container storage pad
D. Newsome	io comminer storage par	D. Newsome	
Monsanto - Queeny St. Louis, MO Crack in hazardous was photo )	5/20/97 PHOTO te container storage pad (Close-up of		
D. Newsome			



Monsanto - Queeny 5/20/97
PHOTO PHOTO

Hazardous waste container storage pad with drums of hazardous and non-hazardous waste being stored. Crack on west side of pad shown on left side of photo.



Monsanto - Queeny St. Louis, MO 5/20/97

рното \_\_\_\_\_\_

Crack in hazardous waste container storage pad



Monsanto - Queeny 5/20/97 St. Louis, MO

рното 3

Crack in hazardous waste container storage pad



Monsanto - Queeny St. Louis, MO 5/20/97 **PHOTO** 

4

Crack in hazardous waste container storage pad



Monsanto - Queeny 5/20/97 St. Louis, MO

**РНОТО** <u>5</u>

Crack in hazardous waste container storage pad (Close-up of photo \_\_\_\_\_\_\_)